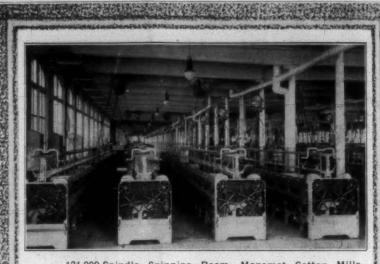
TEXTILE BULLETIN

VOI. XXIII

CHARLOTTE, N. C, JULY 13, 1929

NUMBER 99



121,000-Spindle Spinning Room, Manomet Cotton Mills, New Bedford, Mass., showing installation of BAHNSON HUMIDIFIERS

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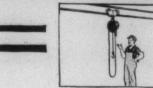
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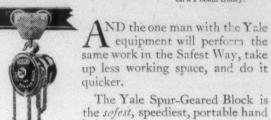
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NUMBER 20

Artificial Silk In Textile Industry

work which is being affected in con-nection with the Federation of Lace and Embroidery Employers' Associations, embracing within its scope all Tubize, in Belgium. sections of these trades, an opportunity was afforded at a recent representative meeting at Nottingham, over which Mr. W. H. Carey presided, of listening to an exceedingly valuable address by Mr. P. E. King. lecturer, upon dyeing at the University of Leeds, his subject, which was illustrated by numerous strik-large scale by hydrate in ammonia ingly interesting tables and many or on the large scale by bubbling excellent specimens of raw mater- air through ammonia containing ials, dealing with "Artificial Silk and its application to the textile industry." The general importance of the matter to the whloe of Nottingham's textile trades was illustrated by the attendance, in addition to those connected with lace and em-glucose. After washing and the re-broidery production, of many asso- moval of the copper has been effectciated with hosiery manufacture and instruction therein, who had been cial article. Thieles silk is similar invited to avail themselves of the in composition to cuprammonium opportunity of hearing much that is vital importance to that branch of trade in regard to its newer and rapidly developing methods of pro- by drawing out a thick th duction of artistic knitted fabrics fore being fully coagulated. in which artificial silk is playing an increasingly important part, the This variety of artifical silk, Mr. University College, where admirable King observed, was the third to practical work is now being carried out, being represented by Mr. W Davis, head of the new Department og Textiles, and Mr. J. Barr, manager of the yarn-testing bureau. By way of preliminary to an exhaustive treatment of a complex subject, Mr. King served the useful purpose of pointing out that there are four varieties of artificial silk manufactured foday, these being viscose, cuprammonium, Chardon-net and acetate, the first named being made in by far the largest quantities. Taking them in their hostorical order. Chardonnet or nitrosilk was the first manufacturer, being the outcome of a patent by Count Chardonnet in the year 1884. Purified cotton is converted into a nitro-cellulose, similar to gun cotsulphuric and nitric acids. The wet in a mixture of alcohol and ethand the viscous solution, after

nitrogen being removed and the ma-In exemplification of the practical terials bleached and finished. This tork which is being affected in consilk, Mr. King pointed out, had a section with the Federation of Lace great success at first, but its producchiefly confined to tion is now

Cuprammonium Silk.

Cotton constitutes usually the raw material for this class of silk, but wood plup can also be used in its production. The cotton, usually mercerized, is dissolved in a blue solution obtained by dissolving copper dydrate in ammonia or on the copper turnings until the copper has dissolved. The viscous solution after filtration is forced through fine apertures similar to the nitro process and the threads coagulated in a bath of caustic soda containing ed, the threads form the commersilk, but is made much finer, the ultimate filaments being as fine as real silk, this being accomplished by drawing out a thick thread be-

Viscose.

achieve succes and is being made in increasing amounts in this country, as also on the Continent of Europe and in America. It is entirely English both as regards the chief patents and its developments. solution for its production was patented by Cross, Bevan and Beadle in 1898 and the successful spinning of this was largely due to Stearn and Topham. This solution is made by the inter-atcoin of wood pulp (cellulose), caustic soda and carbon bisulphide. The raw mater-ial, wood pulp, is converted into alcaustic soda generally contains so-dium peroxide and also a catalyst, such as hydrates of nickel of cobalt. These additions have been found to ton, by the action of a mixture of aid materially in the oxidation necssary by shortening the time requirwashed nitro-cellulose is dissolved ed for ageing after squeezing out

(Reprint from The Textile Recorder ments, these filaments being caught produced which, when dissolved in cotton, and the dyestuffs and dyeing of Manchester, Eng.) up to form a thread and dried, the caustic soda, forms the spinning so-methods used are the same those cuprammonium silks. Latterly.

Acetate Silk.

he pointed out, differs, however, from the three other varieties in this respect: the silk as sold is not containing the acetic acid still in —that is to say, the remov combination with it. Cotton or wood tic acid by caustic soda. that acetic acid replaces the nitric The may be necessary

Dyeing Processes.

mings. form fancy lustrous yarns which are may be diazotised filtration, forced through fine open- treated with carbon bisulphide cellulose slightly modified in charac- not practicable with the acetate silk, ings in glass tubes to form silk fila- whereby a brownish viscous mass is ter they are similar to mercerized (Continued on Page 27)

lution. After filtration and remov- employed for cotton. These three al of air bubbles, the solution is varieties, however, he explained, forced through fine jets into a co- show some differences in dyeing, agulating bath composed of sul- Chardonnet, owing to residual traces phuric acid, glucose and ammonium of sulphur, compounds dyes with sulphate and the filaments collected basic colours without previous mor-in a Topham centrifugal receiver, danting even in full shades. Viscose Viscose After winding into skeins, the crude also is dyed with basic colours in viscose is treated with a solution of light shades, but requires a morsodium sulphide to remove sulphur dant for deeper shades. Cupramand finally bleached. Stretching of monium always requires mordant-the threads during spinning or during. With direct cotton colors they ing drying is necessary to give the show similar behavior and dye dihighest lustre both with viscose and rect. Acetate silk, owing to its different chemical composition, shows Bronnet, Mr. King explained, had entirely different dyeing properties succeeded by merely altering the from the others. The acetic acid, concentration of the acid spinning combined with the cellulose, confers entirely different dyeing properties bath in producing filaments of vis- acid properties on it, with the result cose as small as 0.75 den. that acetic silk dyes directly with basic colors. These, moreover, show This is the most recent produc- the remarkable property, in many tion, and is the outcome of the con- cases, of heing fast to light, whereversion of the rope formerly used as the same colors on tannined cot-for aeroplanes during the war into ton or wool are extremely fugitive. artificial silk filaments. This silk, Acetate silk is not dyed with the direct cotton colors directly, but only after a partial removal of the acethis respect; the silk as sold is not tyl groups. This is accomplished regenerated cellulose, but cellulose by which is termed "saponification" This is accomplished -that is to say, the removal of acepulp was converted into a similar is treated in a bath containing 10 compound of nitro-celulose except per cent of its weight of caustic soda at 75 de. Cen. for a quarter acid. This is dissolved in acetone, to a half an hour. After this treat-the solution filtered and forced ment the silk will dye with the through fine openings. The acetone direct, sulphide and vat colors. This evaporates and the filaments are process is, however, liable to give wound together to form various uneven results. Some other dyesizes of threads. A slight bleaching stuffs, really mordant colors, but containing basic groups have a good affinity for acetate silk. These be-Artificial silk is being used for all long to the gallocyanine class. Only varieties of knitted materials, and a few acid colors, such as metanil in conjunction with other fibres for yellow, citronine and rocellin, dye innumerable woven fabrics from this silk. Dyestuffs with strongly the finest gauzes to heavy tapes- acid character will not dye. It had tries. It is also being used for fancy been found that common salt aidmaterials such as braids and trim- ed absorption of all dyes, having a Staple or fibro fibre is arti- direct affinity for acetate silk. Acekali-cellulose by steeping in caustic ficial silk cut into small lengths and tate silk absorbs amines, phenols, soda of 17-18 per cent strength. The then carded with wool or cotton to etc., and after absorption the amines and having an extended use. From his compounds, coupled with new intimate acquaintance with this amines, phenols, etc., to form dyebranch of the subject. Mr. King stuffs on the fibre. This method This method had much that was of value to re- is similar to that used for cotton, sary by shortening the time requir- late in regard to the dyeing of arti- except that in this case the amine ed for ageing after squeezing out ficial silk, pointing out that as Chartaken up by the cotton is a dyestuff, excess of alkali. The algali-celludonnet, viscose and cuprammonium and the dyed material may be used lose placed in an air tight drum is silks are all regenerated cellulose or without further treatment, which is

Textile Industry In Gaston

Gaston county has within her borders 80 cotton mill corporationapproximately 100 mills-more mills than any other county in the United States. She leads the United States outside of Massachusetts and Rhode Island in the number of cotton varn spindles, and now stands fourth in the western hemisphere. The rank of the counties in America in the number of spindles is as follows:

Number of Spindels Countis: Bristol county, Mass.......7,294,221 Providence county, R. I.....1,709,713 Middlesex county, Mass....1,082,752 Gaston county, N. C......1,079,726

Gaston county leads the South in the production of fine yarns, and no other county in North Carolina begins to approach her as a cotton mill center.

According to the report of the Commissioner of Labor and Printing for the year 1920 (the statistics which are missing from his report are filled in from Clark's Directory of Southern Cotton Mills for 1922, from the statement of the mill, or from the estimate of the author), there are 80 cotton mill corporations in Gaston county with a total capitalization of \$38,545,500. These corporations use approximately 71,212,-903 pounds of raw materials annu-The estimated yearly output is \$42,367,115. The mills in Gaston county employ 12,337 operatives. Their pay rolls in 1919 (the latest available statistics), with a dozen mills unreported, was \$4,000,000. It is estimated that approximately 30,-000 people are directly dependent on the mills for support.

Gastonia has within her limits onesixth of all the cotton mills of the State, one-sixth of the capital stock, ane one-sixth of all the active spindles. She made rapid progress during the two-year period, 1916-18. In 1916 she had one-seventh of the cotton mills, one-ninth of the capital stock, and one-ninth of all the active spindles Since 1918 twenty-four coporations have built or organized

31 mills.

Not only this, but Gaston people own big mills in other counties of this state and South Carolina. This is especially true of Messrs. Cannon, Armstrong, A. K. and H. G. Winget, J. H. Separk, Lineberger and Stowe, and the late George A. Gray. Mill stock in all the county is pretty well disseminated throughout Gaston county." (Gaston county: Economic and Social by S. H. Hobbs, Jr.)

Gastonia is by far the biggest textile center of the State. Thirty-eight mill corporations are located in Gastonia, "and as the average mill in Gastonia is larger than the average in the rest of the county, it is to assume that Gastonia has for support, or about 15,000, live in

business in Gastonia." eounty, by S. H. Hobbs, Jr.)

Knitting Mills.

approximately 166,347 pounds of raw of imate value of their annual produc- are mill operatives. tion is \$199,341. These five knitting A number of the mills have commills have 207 knitting machines, and munity houses which serve as the employ 120 operatives.

Welfare Work

Gaston county is one of the most operatives. Many of the present mill owners were just ordinary hands a decade or two ago, but through persistent effort and ability they were able to rise to the top. are in position to know the needs of their workers, and as would be expected they are deeply interested in their welfare. The mill owners in Gaston county are not only interested in making fine goods, but even more in forming good charac-As a result there are fine playgrounds, churches, community houses, community nurses and workers, Y. M. C. A's., Y. W. C. A's., athletic teams, and other organizations for boys, girls, men and women; and there is an atmosphere in most mill communities which makes for better and nobler living.

The mills have their own villages, and the majority of the operatives live in houses owned by the mills. In cases the employes these houses free; while in the cases where rent is charged, it is very low, approximately fifty cents a week for an average size house. owners are always glad to aid worthy employes in purchasing homes, and a number of thrifty workers have taken advantage of this opportunity.

These houses are well constructed, modernly equipped, convenient, and attractive throughout. They concain from four to six rooms, and special attention is given to their appearance as well as to their more material aspects. These homes are equipped with running water, sewerage and electric lights.

The mill owners make a special effort to reduce the living expenses of their operatives to a minmum. Some of them furnish their workers with free houses, free water and lights, free garden space, and free pasturage for a cow. done in a number of cases, it is usuwithin her limits one-half of the of the other merchants in the nearcapital stock, one-half of the spin- by communities; and in some cases dies, uses half the raw material, and necessities and staple goods are sold

(S.R. McClurd, Cherryville, Gasten and near Gastonia. This population school buildings are situated in or a cafeteria which is modern in every County, in Gastonia Gazette.) alone makes a small city, and this near the mill villages. There is a respect. The main dining room is Gaston county has within her fact serves to emphasize the over- good state high school in close reach 85 by 35 feet. This cafeteria will shadowing importance of the textile of every mill child, and practeally business in Gastonia." (Gaston three-fourths of the children attending school in Gaston county are mill ed by the mill, does the work of the children. Churches of the promin-There are five finitting mills in ent Protestant denominations are Gaston county with a total capitali- found either in the mill community zation of \$209,781. These mills use or in the nearby town. The majority the church members in the materials annually, and the approx- twelve mill towns of Gaston county

> recreation center for the village. These have community nurses and workers to aid in improving the welprogressive counties in the United fare of the employes. All the mills States in respect to the work which have some kind of first aid equiphas been done and is now being done ment, and many also have first ail to improve the welfare of the mill rooms. Y. M. C. A's., fraternal orders, Campfire Girls, Little Mothers' Clubs, Junior Sewing Clubs, other but organizations for boys, girls, men and Gaston as the Natural Textile Center.
> ility women, classes in cooking, gardenGaston county by virtue of its siting and canning, baseball teams, both boys' and girls' basket ball teams, mill-village bands, moving-picture theaters and libraries are found in many of the villages. Several of the mills have a day nursery and kindergarten. Most of the mills have equipped playgrounds for the children of their employes; and parks, baseball diamonds, and swimming pools for the adults. Rooming and boarding accommodations for unmarried employes who are away from home are furnished either by the families of other workmen or by the mill. Several mills have provided magnificent, modern brick dormitories for their unmarried employes and the other southern states. who are away from home.

The Loray Mill is one of the best examples of the marked welfare work which is being done in Gaston county. During the last few years the owners of the Loray Mill have spent, all told, somewhere around a million dollars in improvements and enlargements in and around their plant. Of this total more than half has gone into new buildings, including 150 of the best constructed, most convenient and withal most aftracive bungalows for their operatives that can be found in any manufacturing town in the country. These houses of four, five and six rooms almost wholly white native born, cost \$2,000 and up and are not lack- who were formerly farm tenants. ing in modern conveniences. In the 150 homes are to be found several types of archeticture. In addition been accustomed to hard work, and large dormitories, one for men and they do and find in doing it. There the other for women, with a large cafeteria between, have been erect-tenant labor in Gaston which has Where the than \$100,000. Each dormitory has farm machinery becomes to be more mill conducts a general store, as is 23 bed rooms besides matrons' rooms, and more used, their services are reception rooms and halls. They are no longer needed on the farm; and ally the practice to sell goods to the of brick veneer construction, a dark they turn to the mills to find work. employes at prices below the prices red tapestry brick being used. At the mills they are able to live used. Each building is thoroughly more easily and more comfortably. equipped with baths, writing rooms, The 1920 census shows that there are reception rooms, and so on. In the nearly 100,000 of these whie turns out half of the finished pro- at cost. Most mills supply their basement of the men's dormitory is tenants and their families within a ducts of the county. Also that half hands with coal at just what it costs a bowling alley, shower baths, and radius of 50 miles of Gastonia. Acthe people dependent on the mills them in large carload shipments. a locker." Occupying a position mid-cording to the present ratio of 12,337 Modern and well-equipped brick way between the two dormitories is operatives from 30,000 mill people,

feed 1,400 operatives in an hour. A laundry, which is owned and operatoperatives at a very low cost.

Several of the mills have adopted the plan of sharing the profits with their employes. In the Mutual Mills, owned by the Armstrong interests, 49 per cent of the stock is owned by the operatives, being bought and paid for on the building and loan plan. No person is allowed to take more than ten shares. The Osceola, Hanover and Mountain View mills are operated on the basis of sharing the profits with the employes. During the last six months of 1919, \$50,-000 was paid out to the employes. Other manufacturing concerns the county are following the abovementioned examples.

Gaston county by virtue of its sit-uation is the natural center of the industry in the South and hence in the nation. Because of its location in the cotton belt, raw material may be secured more cheaply than would be possible in New England or in any other section of the United States. Not only can cotton be secured cheaply, but the climatic conditions of Gaston county are especially suited to the manufacture of cotton. Its climate is humid and mild. The weather is not too cold as is the case in the counties farther north, nor is the weather too hot as is often the case in the counties of South Carolina, Georgia, Alabama,

Gaston county is endowed with A great quantity of natural water pow-This is a valuable asset in furnishing power directly for running the mills or in generating electric current which may be used to run the mills. At present the Southern Power Co. is building an enormous plant at Mountain Island. Practically all the main power plants of the Southern Power Co. are located in a seventy-five mile radius of Gaston county.

Furthermore, the type of mill employes in Gaston are far superior to those in other counties. This class of labor is thrifty, energetic, and intelligent. They have to these homes for operatives, two hence take an interest in what ever is a large supply of this white farm ed at a cost of considerably more not yet been touched. As improved these 100,000 white farm tenants supply 3,600,000 additional spindlesmore than three times the present spindleage of Gaston.

in Gaston County.

In view of Gaston's situation in the cotton belt, especially adapted climatic conditions, wonderful power supply, the almost inexhaustible high class white farm tenant labor, and abundant amount of available capital, I can see no reason why Gaston county will not soon rank second among all the counties of the United States in the number of spindles.
When will this be accomplished?

I believe that there is a much better feeling in the yarn and cloth markets today than there has been in the last two years. Domestic trade has almost come to the place where the people are going to be compelled to but at least a normal supply of cotton goods. Export business is picking up. If the foreign nations can raise the value of their money so that the exchange rate will not be so unfavorable toward them, a great market for cotton goods will be open-The foreign demand for cotton goods by 1925 should be even greater than it was before the war, because these people are almost destitute of clothing now and the desires of some of the backward people have been greatly increased by their association with the more advanced people of the world. When these new world markets, like India and Russia, with their great demands are opened, the cotton mills will be on another big boom. However, I do not look for war prices soon, but I do think that the cotton mills will begin to make a good profit this fall. With better business in the fall, I look to see a few more mills organ-There are several mills under construction in the county now, and one has been organized at Cherryville during the past month (April): By 1925, Gaston county should rank second among the counties of the United States in the number of spindles per county.

Safety Code For Dyeing and Fin-

the proposed code to establish safety standards in the textile dyeing and

The code establishes safety stand-(their families included) would fur- ards for all kinds of machinery used nish about 40,000 operatives. Assum- in dyeing loose fibers, skein dyeing, ing that one employee operates appiece dyeing, jig dyeing, hosiery dye-proximately 90 spindles, as is the ing, silk dyeing, etc., for various case today, this labor reserve would forms of power transmission, belts, pulleys, and so on. It also provides that persons violating the rules or interfering with their enforcement The Future of the Cotton Industry shall be guilty of a misdemeanor and subject to punishment by fine, or imprisonment, or both. Provision for hearings on alleged unreasonableness of the rules is also made.

The great bulk of the suggestions offered at the hearing were for the purpose of clarifying the code so there can be little room for uncertainty or doubt. In only two or three instances was objection to the spirit or intent of the regulations of-Among the provisions found objectionable were those specifying the type and character, i. e., whether cotton or woolen, of clothing that shall be worn by employes. It is provided in these regulations that persons exposed to fire or sparks shall wear clothing or jean or some other slow burning material, that those exposed to acids shall wear woolens, that cotton materials be worn by those exposed to alkalies, that rubber gloves and goggles to protect the eyes be worn by workers handling acids or caustics.

These provisions were objected to on the ground that they specified exactly what a dyer should wear and would almost require inspection of the men daily. They were also held to be impractical in view of the fact that men in the dye house are constantly changing from one type of work to another, handling acids one minute and 10 to 15 minutes later alkalies and caustics. It was proposed that the provisions be stricken from the code.

Objection also was made to the provision under "general require-ments' that all roller fed machines on which the operators hands come within the danger zone shall be guarded at the point of operation in approved manner. It was claimed that such a regulation might interfere with the work, especially in yarn dyeing, and result in claims against the dyer.

Cotton Shortage and High Prices.

It is no use crying wolf repeatedly, but we offer no apology for again referring to the possible shortage of Philadelphia.—A public hearing on American coton before the 1923 crop ne proposed code to establish safe- is available. The world's 'demand' standards in the textile dyeing and for normal times will never be met finishing industry in this State was by the cotton available. Business is held by the Safety Standards Com- picking up, machinery is being remittee of the Industrial Board of the started, and, although it may be Pennsylvania Department of Labor some months before we are normal, and Industry. it will, in our opinion, be before the The code was prepared by the end of the year. What will be the Master Dyers' Association of Phila- result? Rise in prices of raw madelphia, and James C. Cronin, who terial and consequent rises in the acted as chairman of the hearing, cost of the finished article. We said it is the intention of the Indus-shall again be faced with a problem trial Board to confer with a special somewhat similar to 1920, and no revision committee of that associadoubt panic buying in a minor detion shortly after public hearings gree may take place. The remedy closed for the purpose of re- -and the only one-is to develop to are closed for the purpose of redrafting clauses repiring modification. Mr. Cronin said many guards growing lands. Every bale raised in and safety devices for ptorecting machinery have been standarized and Colony, and reduces our vassalage to are successfully used in various the American grower.—Textile Reother industries.

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Improvement In Export Trade

The steady upward trend in cotton goods exports this year substantiates current feeling in the trade that export business is taking on new leases of life as foreign markets become once again established on partially or fullly liquidated bases. It is imperative, with these improved conditions, that cotton-goods merchants maintain a fine balance between aggressive sales efforts and due caution in concluding agency and financial arrangements abroad.

Foreign markets for American cotton goods in themselves have some necessarily limiting influences In the first place, American mills do not turn out altogether the full line of goods required abroad. An example of this is the types of prints and dyed goods peculiar to India and other Far Eastern markets. In the second place, the United States does not stand on an equal footing with competitors other cotton manufacturing countries in some foreign markets for the reason that their importing and merchandising systems do not recognize or look with particular favor on American goods. Also, the American exporter has not banking facilities in many foreign fields equal to his competitors'. A third point is the limited purchasing power of great consuming areas due to the continued financial depression of recent years. It is well known that many markets abroad can consume only a certain value of goods and that their quantity consumption consequently varies inversely price. Finally, the keen competition of well-established competitors is an additional limiting influence abroad.

In the course of the year British exports of cotton goods have steadily improved as compared with a year ago, and in some markets they outrun pre-war Generally, the most satisfactory business consummated abroad by British exporters of late has been in gray goods. Japan also is gaining in influence as a cotton-goods exporter, especially in Eastern markets. This competition is scientifically planned and executed and deserves the serious attention of American cotton-goods exporters and manufacturers.

South America, collectively speaking, might now be considered as in the "temperate zone" of commerce with the United Statse, so far as textiles are concerned. Broadly, it can not be said that startling developments are now being experienced, or likely to be within the near future. There is, however, a decided bettering of conditions. This applies particularly to financial ease and liquidation of stocks with which cer-tain sections have been confronted some eighteen months past. Possibly Argentina and Colombia offer the best fields for textile interest at the moment, although Peru

Edward T. Pickard, Chief, Textile and some other countries in Latin seeing merchants until now the tiles to India is complex and should a Division, Department of Com-America are growing more stable island is sometimes regarded as of be undertaken only after exhaustive day by day. The hosiery business almost domestic significance. The study of all factors involved. has been especially attractive in huge stocks of unliquidated mer-Argentina, and a number of houses chandise have not been dwindling in the United States report substan-very fast. Nevertheless, in recent tial orders on favorable terms for the varieties of piece goods going to placed by Cuban merchants for cotthat market.

> Some orders of wide range are being received from northern Mexico. The Mexican hosiery business has been gratifying, and even in the bet- now being granted the customary ter grades of silk and artificial silk terms on open account, but houses demand has been worth while. As selling to Cuba should still most best can be judged, the present is carefully select their credit risks. It not deemed an opportune time for sales trips to this market. However, provided individual firms can afford to send a representative on a tour of investigation or with the object of laying foundations for future operations, no doubt such procedure would prove profitable ultimately Great caution should be exercised in the extension of credit, as financial stability in certain sections is not all that it should be. Stocks still lie on the shelves of many of the importing merchants and jobbers, but there is some demand for sup-plementary lines that have become depleted.

been carefully studied by all far- sumer.

months sizable orders have been ton goods of a lower price and lower grade to sweeten their unsold stocks. Merchants who have come through the ordeal of the last two years are is interesting to note that during April Great Britain shipped 15 per cent more yardage to Cuba than did the United States.

Trend of Demand in India and China.

India, while not heretofore regard-Not alone is India taking increasing quantities of gray cloths, but business in bleached and colored goods is being established, and takings of remnants and short ends have been fairly substantial. It is maintained that the quality of American goods will make permanent impression Cuba as a market for textiles has upon the Indian merchant and con-The sale of American tex-

China was formerly one of America's leading foreign piece-goods markets. Because of strong competition from other countries and the local development of its own industry, most of this business was once lost. However, the exigencies of war caused orders again to be forwarded to the United States and much of the business placed with American mills at that time and during the postarmistice period has been maintained to the present day, until China is once again regarded as a steady market for certain types of American cotton cloth. Financing and agency agreements bear an important relation to the volume of business which can be secured, but so far as actual ed as a staple market for American competition in price and quality is textiles, has been using American concerned, established American cotton cloths to a gratifying extent. lines should continue in active de-

Joseph L. Davidson Co.

Established 1889

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A Fact and a Statement:—

The "UTSMAN" Quill Cleaner saves today in three hundred mills on the North American continent, from Texas to Canada.

We want to start saving for three hundred more this year. The facts are awaiting your request.

The Terrell Machine Co. Charlotte, N. C.

Fifth Southern Textile Exposition

TEXTILE HALL

Greenville, S. C., Oct. 19 to 25, inclusive

Will open at ten o'clock, Thursday morning, October 19th, will be closed Sunday and re-open Monday. It will end Wednesday night the 25th.

This exposition is one of the most important events of its kind in the world. The South spins and weaves a large portion of the world's production of cotton.

Here will be seen textile machinery, devices, appliances and supplies. No manufacturer can afford not to be informed of the latest inventions, improvements and equipment. The superintendent, overseer or second hand who misses this show will be handicapped in performing his work. Every mill operative who can possibly do so, should visit it.

Numbers of mills consider payment of expenses of principal employes to and from the show, a good investment.

It will require several days to see all the show. One day, however, is better than none.

We invite all who have an interest in the industrial development of this country to attend.

Textile Hall Corporation

Weavers Sectional Meeting S. T. A

Tentative Program for Weavers' Sectional Meeting to be Held in Anderson, S. C., July 21, 1922

Q-1. What variation should be allowed in width of cloth?

A-1. From information compiled from several mills we find that cloth is being accepted as firsts which does not vary more than 1-4 inch under width and 1-2 inch overwidth.

allowed in weight of cloth?

A-2. The majority of mills making print cloth allowing 5 points variation on each side of the standard. For example: 4 yards goods which weigh 3.95 or 4.05 is acceptable as firsts.

allowed in warp and filling threads per inch?

A-3. From the examination of above. samples of print cloth and sheetings from a number of mills we find an made in the weave room? average of about one thread per inch variation in both warp and filing. The warp variation is more common in the cloth than filling variation that is we find from a number of samples that the warp threads per inch vary more than the picks per atively correct and we will show how This we presume is inch of filling. accounted for by the fact that all mills have to buy their reeds and make calculations themselves for dents per inch and contraction, while the loom builders send out looms equipped with the same gearing to put in a certain number of picks and as the samples were made in mills which are using the same make of looms. The filling picks per inch were more regular than warp threads per inch.

Q-4. What length of cloth should constitute a piece of firsts?

A-4. The majority we received 110. information from are classing any number of yards under forty as seconds or short lengths. This we believe is the custom which was adherred to in many of the mills in the south in putting up goods for export which trade called for 40 yard pieces. It certainly is an imposition on the mills to class all goods under forty yards as seconds, when many of these pieces of goods have not a defect in them. The people who buy these forty yard pieces sell them as firsts, that is the pieces which are firsts and we see no reason why the mill should not have credit for these forty yard pieces which are firsts.

(soft) should be made in the slasher room?

which we have used to arrive at the that mill to decide whether use this same method it will give us using them properly. a comparison which will enable the Q.—10. What is the average life of mills to know whether they are wak- a check strap? ing too much waste or not. The A .- 10. One Mill reports that they ally double this number of feet per mills we asked to keep a record were used from Aug 20, 1921, to Jan., 1922, told to merely keep the number of an average of 2.4 straps per year. In be five years as the life of a belt. loom beams slashed and the total other words this record was only

Q.-6. What per cent of hard waste should be made in the slasher room?

The same method as above straps per loom per year.
39 pounds hard waste made Q.—11. What is the average life of A.-6. What variation should be used. 2,539 pounds hard waste made which is practically 4 of a pound cotton harness? per loom beam.

Q.-7. What per cent of waste

from tying-in room?

the weave room was 427 pounds. Which is practically the same as

Q .- 8. What percentage sweeps

A .- 8. This report came from the same number of mills on the same style of goods as specified above. This percentage is not theoretically correct but as all these mills kept a record the same way this is comparwe arrived at this percentage so that other mills can make comparisons.

We realize that to take the cotton delivered to the mill as a basis it would be necessary to take into account the stock through the mill, therefore we decided to use the pounds of cloth produced as a basis. Add to this the pounds of waste and divide this sum into the pounds of A.—12. We think we could get waste to arrive at the percentage. more information by stating this divide this sum into the pounds of

The total pounds of cloth produced of all these reports was 2,523,110.

The total pounds of waste was 25,-

2.523,110 23,110

2311000 .907% per cent 2,546,220

> 19402000 17823540

pickers?

A .- 9. From information obtained from two weave rooms we find that one weave room reports the average life of a picker as 20 weeks. While the other says that he uses about five pickers per loom per year. We have no information as to quality and price of these pickers and we Q-5. What per cent of waste do not think it advisable to state the make of pickers any mill is using, but to get as much information as he This is the waste which is can as to the life of a picker. made in putting on a set of warper if mills is using more pickers than beams on the slasher. The method the majority of mills it will be up to percentage of waste is not theoretic- should buy a better grade of pickers ally correct however if all the mills or whether their section men are

4,000 straps made an average of 2.64

cotton harness?

A.—11. We have one very complete record but find that as those loom per year?

plete record but find that as those loom per year?

A.—13. This question of course is heavy the width of A.-7. From 6,186 beams tied 420 then harness were not in use part

The best information we are able to get is that harness from two well known makers do last from 18 to 24 months on 80x80 and 68x72 goods and we realize this is very indefinite report and will have a more accurate at our next there was misunderstanding in getting the men who were asked to keep this record to keep it correctly, we do think we should agree at this meeting on a system to give us out? accurate information in our next meeting.

Q.-12. Which is the most economical loom belting-water proof cement with no rivets or ordinary cement with rivets at laps?

question differently and merely ask how long does a loom belt last? Then when we get information from number of mills and find out about what the life of a loom belt is, mills which are not getting this life out of their loom belts will know to go to work to increase the life of their 22915380 of sweeps made, belts or find out what is causing it to wear out sooner than it should.

For information will say that the belt manufacturer claims that rivets do not add any strength to a lap and Q.-9. What is the average life of the majority of them advise against the use of rivets, however from information gained from three mills the practicaly men claim that the laps do not come apart as badly when they are riveted. This is the case with either water-proof or com-On further mon cement is used. questioning the men that even when water proof cement is used the laps begin to curl at the feather edge and the rivets seem to retard this somewhat.

> For information we will state that I have a record of three years from two mills which show a consumption of 1.45 feet per loom per year 1921. The belts from this mill are practically 14 feet long.

Then the life of the loom belt practically 10 years in that mill. However 1920 records show practicloom per year which would of course

You can readily see that when the

pounds of waste made. While mak-kept from Aug. 20, and was assumed records were started it caused a ing the total of 6,374 beams a total of that the yearly record would be great reduction in the consumption 1,279 pounds of soft waste was made, practically the same. Another mill of belts, therefore these two records this is practically .2 of a pound per reports that in using practically 4,- are probably not correct, insofar as beam. The style of goods ranged 000 straps, they have averaged 2.64 the actual life of the loom belts. from 44x40 to 80x80 and the loom straps per loom per year. We do not One of these mills had a dirt floor beams averaged about 140 pounds. mean to say that they use 4,000 under the weave room and the looms straps per year, but the length of were driven from below. This mill time which was consumed in using used more belting than another mill of practically the same number of looms which were also driven from below which had a wooden floor for

indefinite because the width of hich weigh 3.95 or 4.05 is acceptpounds of waste was made or .067 of the time, therefore their record looms which generally regulate the
pounds per beam. The waste from which was based on the date when speed, style of loom, staple of goods
Q—3. What variation should be the patterns which came back from the harness were made and the date and many other items enter into the when they were destroyed does not life of the shuttle, however we have represent the actual life of the har- a record of a weave room containing between three and four thousand looms altogether. The majority of these looms are on sheetings, shirtings and drills.

> These styles range from 155 to 170 picks per minute, all these reports put together show an average for the year 1920 of 1.21 shuttles per loom per year. For the year 1921 the shuttles per loom per year

> averaged 1.2 Q .- 14. Why do pick cams wear

A .- 14. We have no definite information gathered from any records which have been kept but quiries state that the balancing of the pick ball is the principal cause of the pick cams wearing out. One overseer stated that he took charge of a room where the cams were wearing out badly and upon investigation found that most of the fixers had moved the pick cams nearer the frames of the loom in order to decrease the leaverage on the pick ball, which of course, gave a more powerful stroke to the picker sticks. This gave such a sudden stroke that it was impossible to prevent the pick balls from bouncing and wearing out the cam behind the pick point.

This however was an extreme case, the majority of cams which wear is (Continued on Page 10.)



F. J. Domo & Co. Cotton Brokers

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The "AMERICAN COTTON EXCHANGE" is the only Cotton Exchange in the United States chartered for the purpose of buying and selling cotton in both Spots and Futures in lots of 10 BALES and multiples thereof.

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After a little over two years the "AMERICAN" has achieved exactly that which THE LARGEST COTTON EXCHANGE IN AMERICA had accomplished at the end of its twenty-third year, the memberships on the "AMERICAN" selling today for the same price as those on the older exchange sold at that time.

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CHARTERED by the State of New York, efficiently guided by officials whose many years' practical experience with every phase of cotton, from planting to manufacturing, gives them mature executive judgment, and embracing numerous active members of proven capacity and trustworthiness as brokers, THE AMERICAN COTTON EXCHANGE is deserving of the support of all who are interested in Cotton.

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Any of the Members of THE AMERICAN COTTON EXCHANGE, Inc., listed below will be glad to open up negoiations with Mill Owners, Planters, Merchants and Cotton Factors with reference to handling their "Hedges" in any amounts from ten bales up on a marginal basis of TEN DOLLARS per bale. These firms will also furnish FREE Weekly Market Letters, and gladly give the highest Banking and Commercial Ratings.

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We Solicit your Business

Weavers Sectional Meeting S. T. A. 200 deg. until 8 o'clock that night, (Continued from Page 8.)

caused by the pick ball bouncing and ting a few pounds of tallow in the

Q.-15. What is the best temperarunning work?

A .- 15. Information compiled from is turned on. the records of four mills operating on sheetings and print cloth. find that the overseers claim that a temperature of not less than 78 decubic foot of air gives them the best running work.

For information will say that the in the warp with the sizing kept at relative humidity is very mislead- 180 deg. than they do when running ing to a mill man who has not made at a higher temp, the sizing boiling a rather extensive study of the same. hard in the vat. As a matter of fact For example 80 deg. dry bulb with I have not been able to find the siz-77 deg. wet bulb will give 85% rel. ing in any mills vat which was boil-humidity and 9.2 grs. vapor to the ing. The highest temperature cu- ft. of air. How the average overgrs. of vapor in his room that his weaving will run well, but when you tell him that he should have 85% rel. humidity it is confusing because you can get 85% rel. humidity with the dry bulb down as low as 60 dog. in the winter time and the overseer knows that 85% rel, humidity with the dry bulb at 60 deg. his weaving would not run well at all.

it not be well for us to discuss grs. of vapor to the cu. ft. of air, then if and the size of the yarn. we found out that a certain number of grains per cu. ft. is best for cercu. ft. by turning on the heat in the warp going to sheetings and print winter time, or by opening windows cloth.

or cutting off humidifiers in the The slashers were putting through summer time. It do not mean to say that those are the only two things to do, but merely give them as an illustration. It takes temperature to hold humidity suspended in the air and if you can't get enough grs. of vapor in the winter time when all your humidifiers are working properly it is very likely because the dry bulb is not high enough, therefore you should turn on the heat to raise the dry bulb and this will give you more grs. of vapor and of course a higher percentage of relative hu-

midity.

Q.—16 At what temperature is the while running warps with 2,200 to best to boil sizing? And how long 2,400 ends.

Q.—19. Explain the difference in 2,200 ends.

A.—16. The boiling point of water 20-fluidity and 30-fluidity starch? is 212 deg. at level and less than this A.—19. We will ask if there is a at points higher than sea level. It is starch man in the house who can possible to raise the temperature in intelligently answer this question. an open kettle higher than 212 deg. because the starch added to the Venezuela Purchasing Fine Cotton water makes a thicker solution Goods, which retains the heat and enables the temperature to be raised to practically the same temperature of the steam which you are cooking

The information which we have made at La Guaira.

and did not fall below 175 deg. during the night, we also found that by putanything done to the loom to make size kettle after the stirrers are the pick ball lie down on the cam stopped will cause the size to keep during the pick will reduce this well all night. The tallow forms a wear. seems to keep it sweet and fresh. ture and relative humidity for good The tallow of course mixes with the vat in the morning when the steam

Q.-17. At what temperature should the size be kept in the size

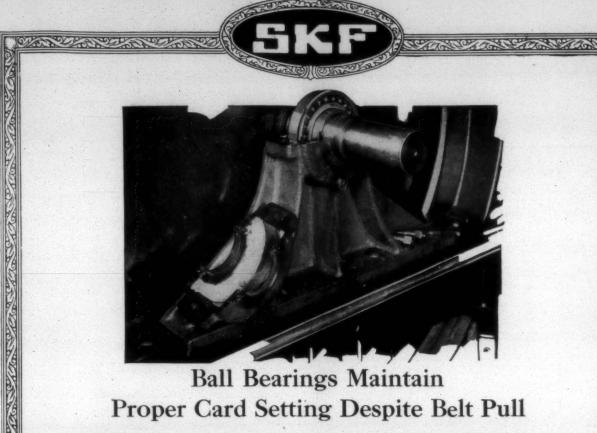
vat at the slasher?
A.—17. We find quite a diversity grees with 9 to 10 grs. vapor to the of opinion and cannot give you any definite answer, some mills claim that they are getting more weight which we have been able to find was seer knows when he gets 9 or 10 200 deg. I do not believe the size was boiling but was jumping caused from the jets of steam coming out of the pipes. It was impossible to get over 200 deg. as the size would be thrown out of the vat, therefore we think it is a mistake to say that the size boils in the size vat.

Q.-18. This question of course means that you must state the speed of your slasher or the inches per Therefore in the discussion would minute passing through the slasher and the number of ends in the set give you information from mills we have asked to keep this record and tain grades of weaving it would be the results are from records kept on up to the overseer to get the grs. per 9 or 10 slashers, all on 30's warp, this

> The slashers were putting through 75 to 85 yarns per minute, while running warps of 3,100 ends. The steam on fair days ranged from 5 to pounds and on cloudy days from 7 10 pounds. to

Another record shows 2,600 ends using an average of 7 pounds of steam in fair weather and 10 pounds in cloudy weather. These reports give you the two variations which represent the highest and lowest steam pressure. On the slashers running 3,100 ends they claim that they can get along very nicely with three and four pounds of steam

Imports of high-grade goods, khakis, and palm beach cloths from the United States and of drills from England and Spain are being The information which we have made at La Guaira. Also a limited does not state what is the best tem-import trade in cotton knit underperature to boil sizing therefore we wear and hosiery from the United can only tell you what the mills are States and England is in progress doing from the records which we Stocks of cheap cotton goods are have. We found that when the steadily diminishing, and it is generateam is well trapped before enter-ally conceded six months will elapse ing the kettle of cooked size which before normal buying conditions for had the steam cut off at five o'clock cotton goods will prevail. (Vice in the afternoon retained a heat of Consul S. J. Fletcher, La Guaira.)



THE weight of the main cylinder of a cotton card soon causes wear in the lower half of a plain-bearing bushing and this wear extends up the drive side of the bearing, showing that belt pull plays an important part in producing it. If the card is set in the easiest way—that is with the belts off—this wear causes an entire change in the fine setting when the machine is started—and consequent impairment of the work. It also permits the cylinder to cock, endangering the clothing when running; also causing uneven finish when grinding the wires.

Cards equipped with SKF marked self-

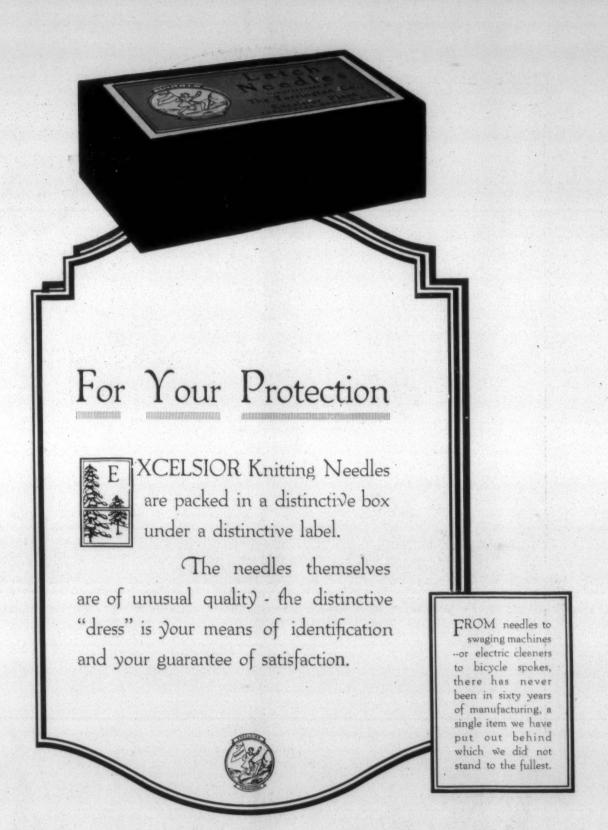
aligning ball bearings are practically wearproof—once a setting is made it is maintained accurately in every day operation. Added to this is the fact that considerable power is saved, starting is made easy, lubrication bills decreased fully 80% and the life of the card clothing is increased. Many mills are not only lessening their power problem but are greatly bettering the quality and increasing the quantity of their output by using ball-bearing equipped cards.

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MANUFACTURERS SUPPLIES CO., CHERRY AND JUNIPER STS., PHILADELPHIA.

Knit Goods Section

tive to Terms.

John Nash McCullaugh, secretary of the National Asociation of Hosiery given out the following statement in regard to demands for terms of 2 per cent, 10 days, 60 extra:

their attention that the Southern "The chairman of our terms com-Wholesale Dry Goods Association mittee, Mr. Oherlaender, has very are conducting a very vigorous cam- tersely stated that the mills are sellpaign in order to secure terms on a extra. Furthermore, by innuendo, tion, who has been selling 2 per cent tion approved of these transfers. quoted to the jobbers.

the Wholesale Knit Goods Buyers' Association, a committee of the the present time. National Association of Hosiery and

tion, and therefore a necessity to jobber. both the rtailer and the manufac- "The turer

"Their necessity to the retailer is selling the retail trade has increased its business from 100 to 150 per cent over last year, while the mill

ing merchandise, and not terms.

tion approved of these terms being cent 10, 60 extra, is to court economic failure and the bankruptcy of both the Southern Association and to secure himself properly, double

"The jobber seems to lose sight of recommendations were made what- that have proven to be the most cent, 10, net 30. soever, they would be for 2 per cent disastrous weapon in our economic

McCullaugh Answers Jobbers Rela- nomic link in the chain of distribu- both for the manufacturer and the

The greatest complaint of the jobber today is the fact that disterms that are lengthy and unbalanced economically.

"The manufacturer who attempts been patented. "The National Association of Hoss selling the jobber shows a decrease to sell on a basis of 2 per cent, 10, In the same groove and below the iery and Underwear Manufacturers for the first four months of this 60 extra, will make up a given needle, is a guard having a butt and has had it very forcibly brought to year in their sales which to pay his ever occuring and chandise, in order that he himself

his capital, and this is impossible at sociation pleads with its members ing stroke, coming in contact therenot to increase their terms, but, in- with. stead, to shorten them to a reason-Underwear Manufacturers informed the fact that the manufacturer must able economic basis, preferably, net draw these people they would make no exist, or he cannot live, and yet he cash; but, in the event of that being needle, due to the steep angle of the such recommendations—that if any is proposing terms and conditions unobtainable, not more than 2 per stitch cam is very great, and with-

"To quote the words of the chair-

Guard Prevents Overthrow in Knitting.

device for preventing tressed goods are being thrown upon needles of knitting machines from of the National Association of Hosiery extremely doubtful today, in view of the jobber. The basic cause for dis-being carried beyond the lower point and Underwear Manufacturers, has the fact that practically every mill tressed goods can be attributed to of the stitch-cam when the loops are drawn, has been developed in a Massachusetts mill and has recently

"The chairman of our terms com- them to his jobber. The balance re- cause the guard to have frictional mittee, Mr. Oherlaender, has very mains on his shelf. If he must engagement with the two sides of tersely stated that the mills are sell- wait seventy days for money with the needle slot. A cam providing a very low angled cam path is used inexorable yarn bills and payroll, for raising the friction overthrow he will be forced to dump upon the guard toward the elevated needle. market in the form of salvaged and There is no down throw cam redistressed goods some of his mer-quired for this guard. When the chandise, in order that he himself guard is forced up any distance, say "This is absolutely untrue. At a court, for if he is to comply with can exist. This, in turn, is bound to 1-16 of an inch, it will remain in meeting of the jobbers committee these terms, he must first, in order cause the jobber trouble. "The terms committee of this as- again by the needle, on its retract-

As the needles moves down to raw the loop, the speed of the out some restraint the needle generally overshoots the lower point of sphere. If he devoted his time and man of our terms committee, whose the stitch cam, the drag of the yarn "The jobbers state that it is an energy to a reduction of his own success cannot be doubted or de- not being sufficient to prevent this, established fact they are an eco- terms, conditions would be better nied: 'A frank expression now will With the new guard, however, the



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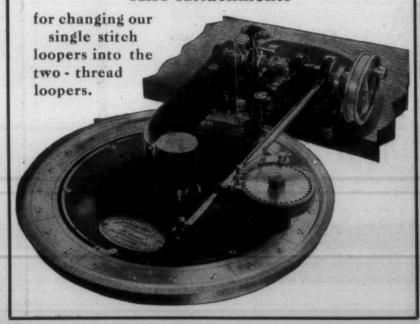
John W. Hepworth & Company

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Makers of

Two-Thread Elastic Lock Stitch Looper

Also Attachments



higher than the lowermost move- price question. ment of the needle, the needle on its retracing or downward stroke will for next spring, present indications come in contact with the guard just show, will be upward, although it is before it reaches its extreme retracted position. The friction guard will 1923 bales at \$5.50 a dozen, which be moved downward by the needle, was the figure for the present seaboth now being under restraint because of the friction bend of the as \$6 or a little more for six pound guard working on the wall of the union suits because of the advance needle slot. Enough friction is ap- in cotton prices, which have risen plied to the guard to prevent any about 70 per cent since last July. overthrow of the needle. which It is figured that to be consistent otherwise would take place. with present yarn prices, six pound

lowest point it rises again in the dozen, but many mills are quoting usual way without having any lower rates in expectation of lower special restraint applied, as on its yarn prices later this year. upstroke the needle is free to move away from the guard until the market for fall goods, but so far they needle has retracted near to its low- have objected strenuously to the est point again, where it contacts with the friction guard, and is prevented from having any overthrow movement. After the needle has forced the guard downward the necessitated by advancing material guard may remain in that position costs, so that if the buyer will not

By this overthrow guard the only wear or upsetting action that occurs takes place or upsetting effect has shortened the guard and the needle stein by 1.32 of an inch there is still 1.32 of an inch margin left for movement of the guard by the needle in contact with it in the final part of the downward movement of the needle. In this way the overthrow of the needle will be barred just as effectually as if there had been no wear on the needle or guard. In the case of an ordinary fixed overthrow guard cam or plate wear or upsetting to any degree will permit the needle to overthrow to exactly the extent of the reduction of the contacting surface due to

machine having 260 needle and runand the ordinary overthrow guard proved guard, being an instrument individual to one needle, receives but 275 blows per minute and the wear and upsetting effect is greatly reduced or practically elminated and whatever wear occurs is automatically compensated for.

For skein winding the attachment ing, cop winding, etc., it is equipped with a porcelain tension spring. Instructions are furnished in every case by which any ordinary mechanic can apply the attachment on prices that will tempt buyers. any make of winding machine.

New Lines Balbraggan Underwear Opened.

balbraggan underwear opened their to come before the meeting of the spring lines for 1923 on Tuesday of Fourteen Needle Group this week, in accordance with a National Association of Hosiery and meeting recently held in Utica. Underwear Manufacturers to be Other manufacturers reported that held July 21 at Reading, Pa. John it would be later in the work before Nash McCullaugh, secretary of the they could show thier new lines, in association, will submit a report order that they might have an op-covering underwear costs. This re-

friction guard having been advanced portunity of seeing what the rest in the needle groove to a position of the trade was able to do on the

The general trend of the mark expected that a few houses will open son. Others will range up as high with present yarn prices, six pound When the needle has reached its bales should be offered at \$6.25 a

Buyers are now coming into tae new prices, which show advances of 10 to 15 per cent over openings. Sellers are firm, however, and their attitude is that their prices are for any desired part of the stroke operate now at high prices, the sell-or movement of the needle cams ers are willing to wait until later in ers are willing to wait until later in the season when demand must increase as short supplies require re-

plenishment.

Some prices indicative of the general market are: twelve pound fleece two piece garments, \$6.50 a dozen; eleven pound cotton ribbed two piece garments, \$6.25; eighteen pound wool union suits, \$32; twelve pound worsted union suits, \$37.50 a

Hosiery Mills Producing Goods Only On Orders

There is almost no advance production of hosiery under way, and mills are operating only as they have orders on hand. Buyers are not in the market, largely because of admon' fixed construction receives they have substantial stocks on hand.

machine having 260 mon' is a Some coffon hasiany in the comin small quantities for spot delivery ning at 275 revolutions per minute, at present prices, but for the most part buyers are holding off in hope device must be reset by hand to of lower prices. Negligible orders compensate for the wear. The image placed for silk hosiery are being placed for silk hosiery for women, but men's silk hose are not moving. Artificial silk half hose are being bought at prices around \$4 a dozen.

With the market in its present inactive conditions, mills are giving no attention to lines for next season. The jobbers hold substantial stocks is equipped with a pig tail, either that they have been unable to sell, steel or porcelain. For back-wind- and they are showing no interest n next season. Mills feel that late in August or in September will be the best time to open new lines, hopthat they will then be able to q 1000

Fourteen Needle Group of Hosiery Association to Meet.

The subject of mill costs will be number of manufacturers of one of the most important matters

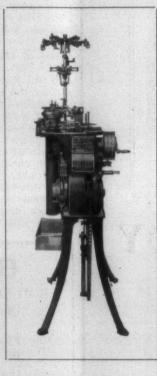
BANNER

FULL AUTOMATIC

HOSIERY MACHINES

Speed Simplicity

> All Sizes



Production Quality

All Guages

We are now prepared to make prompt deliveries on two new modles, the *Banner Spring Beard Needle* and the *Banner Split-Foot* machines, built in sizes 3 1-4" 3 1-2" and 3 3-4", either 48 or 54 guage.

HEMPHILL COMPANY

MAIN OFFICE AND PLANT

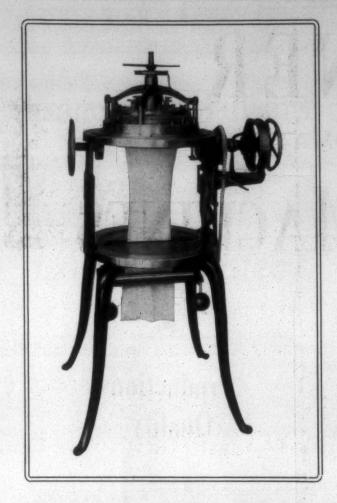
PAWTUCKET, R. I.

PHILADELPHIA OFFICE

Colonial Trust Bldg.
Rooms 208-9-10

CHATTANOOGA OFFICE

James Building Rooms 912-13



BRINTON BODY MACHINES

Plain or Automatic

Built in all sizes up to 24 inches. In all cuts up to 14 needles per inch.

You owe it to yourself to investigate this machine.

Samples, prices and particulars on request.

We also build hosiery ribbers and knitters, with all modern improvements, and various other circular machines for all classes of knit

H. BRINTON COMPANY

Philadelphia

Pennsylvania

a uniform contract for the hosiery London, England.) and underwear trades is making good progress and it is planned to hold in the near future, a conference between the knitters and spinners to discuss this poiny.

Outerwear Lines for 1923 Nearly All Opened Now.

Knitter outerwear lines are nearly all opened now, at prices about 10 per cent over 1922, but buyers are not paying much attention to the offerings, contending that they will not pay the advances. Little interest is being shown in fall goods now, although some sellers report orders for novelty merchandise for women when prices are low enough. ing suit lines at levels about 10 per cent above this year's prices are being shown, but so far little buying jobbing trade is given by Thomas A. has been done.

Action of Light on Textile Fabrics.

Recent German experiments regarding the action of light on tex-tile fabrics showed that while in the case of wool fabrics no appreciable plete for showing to the managers action takes place, the lighting of of the cotton piece goods departsilk fibers reduces the tearing ment of members of the association strength of silk agter 25 hours' ex- by the time of the mid-year meetposure one-third and the extensi- ing on Tuesday, July 18, at the bility nearly two-thirds. Cotton Waldorf, New York. fibers showed an even greater sen-sitiveness to light, the tearing that price of cotton will have less of strength dropping from 5.8 grams an effect upon the price of the goods to 1.9 grams. The fiber most affect- per yard than on the heavier fab-

port will relative especially to costs ed is flax, whose tearing 'capacity systems for the small knitting mills. dropped from 19.7 to 4.83 grams. The associations' work to perfect (Trade Commissioner H. D. Butler,

Jobbers Review Market Situation.

"The net results of six months' operations are very widely said to have shown that the wholesaler is holding his own and through maximum sales activity and closer supervision of expenses, maintained his position, although not with sat-isfactory earnings. Members of the association have had six months of hard trading, bending every effort toward selling merchandise so that through the maintenance of a large volume of sales, the percentage of overhead expense might be kept down. Better things are confidently expected for the last six months of the year.

This summary of conditions in the Fernley, in the periodical market service letter of the National Wholesale Dry Goods Association. The letter says:

Wash Goods Prospects.

BUDD PRODUCTS

BOILER FRONTS

Buckstays

T Covering Bars

Floor Plates

Doors

Door Liners

GRATES

Budd Stationary

Grates

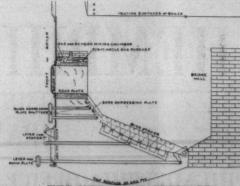
Herringbone Grates Straight Gates

Universal Shaking

Grates

Pin Hole Grates Budd Dumping Grates Budd Stationary Circle Grates Budd Circular Dumping Grates Old Style Circle Grates

Firestone Furnace Cement **Budd Babbitt Metal**



THE NEW BUDD FURNACE

BUDD GRATE COMPANY 2011-25 East Hagert St. PHILADELPHIA, PA.

E. S. Player, Manager Greenville, S. C. office

ries where a more pronounced ef- situation is strong and scout the

ing that they have definite ideas in ing of the goods at a pr this direction. Tissue Selling.

'It is said that many of the coning business

Outlines Gingham Situation.

"Many inquiries have been received with respect to the probable date of the pricing of 1923 ginghams and the prospect with respect to the price basis.

"While thories were propounded in the market several months ago to the effect that lower prices would be made, the same wholesalers who discussed this question then ventured to predict lower prices have now been led by the stronger cotton market, the shortage of production and the general movement of ginghams from distributors' stocks, to express their present opinion of continued strength in gingham prices

One line of ginghams for spring 1923, has been offered to the trade upon a tentative price basis, the orders being firm if at the price basis mentioned and subject to confirmation if higher or lower.

"One of the leading commission merchants interested in ginghams told your secretary that their advance sales for spring, 1923, are remarkable, and continuing, said: 'There is not any question in my mind at all but what we will have an excellent demand for the better made ginghams. This demand, however, will not be so great that it will permit a lot of mills to con-

continues under strike conditions by the consumer, particularly in and in view of the uncertainty of the view of the attractive designs and time of the ending the strike and of the high color work represented in the other conflicting conditions, it printers' offerings. does not seem possible to secure any authoritative information of this time either as to the date of nam-the goods do not show a profit.
ing prices or as to the trend. "One factor stated that it was ing prices or as to the trend.

fect must take place on account of idea of a lower basis.

the heavier weight of the goods.

"Indications are still lacking as to tinue to be offered by second hands the fabrics which will be in demand who apparently made purchases for spring, 1923, many factors deny- abroad in confident hope of disposprofit.

"The great popularity of tissues verters have partly covered them- during the past season has led to the selves on fine yarn gray goods and prompt purchase of one leading line are moderately prepared for book- which has been offered and considerable confidence is expressed in these and other tissues by the buy-

Denims Improved

"There has probably been no com-modity handled by our members which has had wider price changes during the past two years than denims, suffering a price decline of about 70 per cent and showing a recovery to date of 50 per cent above the low point.

"Im proved conditions are noted in denim sales and in the sales of work clothing generally.

Bleached Goods.

"Bleached goods are said to be selling at first hands on a basis of less than cost of replacement figuring print cloths on the basis of the

current cotton market.
"Movement of the goods, however, said to be slow.

Wide Sheeting, Sheets and Pillow Cases.

"Purchase of wide sheetings, sheets and pillow cases by the wholesalers has been on a conservative basis, although some protection has been accorded by a return of pre-

war selling conditions.

Several sellers of popular priced lines have recently made a slight reduction in price with a view inducing greater movement of the merchandise.

Percales.

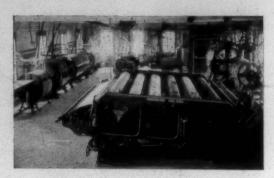
"The movement of percales has inue making ginghams, who never, been quite satisfactory and many in the first place, should have gone wholesalers express the view that into this class of business.'

"The leading interest in ginghams which will lead to continued buying

prices it is claimed by sellers that

Commission merchants interested only through operation of the works in ginghams declare that the price on a 100 per cent production basis

THEAMERICAN WILLAGE VILLAGE LAUNDRY



A general view of a typical American Mill Village Laundry installed by The American Laundry Machinery Company.

Happy, willing operators produce more per man per hour. Secure this advantage for your mill and added profit for yourself by putting an American Mill Village Laundry to work for your employes.

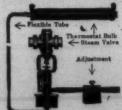
The American Laundry **Machinery Company**

Specialty Dept. N Cincinnati, Ohio

Canadian Office The Canadian Laundry Machinery Co., Ltd., 47-79 Sterling Road, Toronto, Ontario, Canada

Representatives in Great Britain American Laundry Machinery Company, Ltd., 36-38 Victoria Street. London, S. W.-I., England

Between You and Loss From Waste



That's where Powers Automatic Heat Regulators stand.

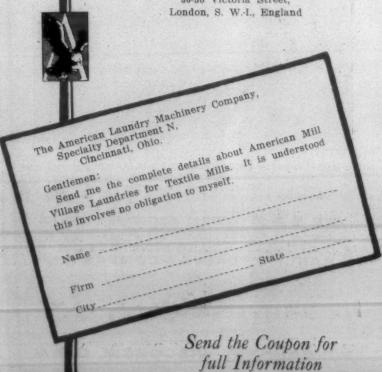
Put one on any process requiring accurate temperature to assure perfect results, and it stands constantly on guard.

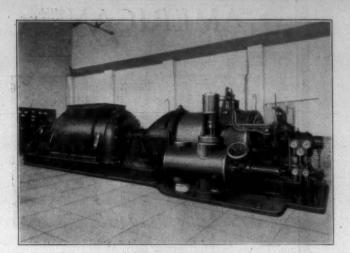
Adjusted to desired temperature it will maintain that temperature without variation, and calls for no further attention.

We will welcome an opportunity to prove our claims in your own plant, at

HE POWERS REGULATOR D

Southern Representative Ira L. Griffin, Chariotte, N. C.





4000 Kw. max. 80% P. F. 3600 R.P.M. Allis-Chalmers Steam Turbine and Alternator Unit with direct-connected Exciter

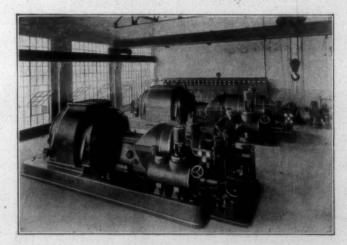
ALLIS-CHALMERS STEAM TURBINES

Built for

Continuous Service, Durability and Accessibility for Inspection

Unequalled for

Sustained Efficiency and reliability in operation



One 2000 Kw. and one 1000 Kw. 3600 R.P.M. Allis-Chalmers Steam Turbine and Alternator Unit, also a 35 Kw. impulse Steam Turbine Exciter Set



MILWAUKEE, WISCONSIN. U.S.A.

continue present prices.

"Reluctance was expressed, however, for any change from these higher prices will be lacking. prices, particularly in view of the several attempts during the past 18 months to get a better price and of the slowing up effect of such advances

Napped Goods.

facturers are well booked up on napped goods and that conditions of scarcity depend upon the demand the consumer and retailer for these lines as the season opens.

"Many wholesalers who reached a satisfactory price basis in February-March cooperated with the manu-March cooperated with the manu-facturers by placing a certain per-centage of their business and now "Well posted gray goods men decentage of their business and now express themselves well satisfied

with their action.

"The strength of the napped goods situation would seem to provide a means for sale without a loss on some well known ticketed brands which were ordered in January and then placed on memo, but later confirmed at the opening fall prices.

saler based upon the expectation of a lower price when the goods were on memo.

Mill Costs vs. Market Prices.

"Primary market conditions appear to be firming up gradually but with some degree of certainty.

"Commission merchants and selling agents are desirous of advancing prices to satisfy the manufacturers' a gher costs on account of the increased cost of raw material, but at the same time they desire to avoid advancing prices to such an extent as to lessen consumption and thereby again force mill curtailment.

"Commission merchants interested in heavy cotton goods declare that they do not know what the future course must be with respect to prices (because they find that wages are on a basis of \$2.65 against the pre-war rate of \$1.00 and that based on this schedule of wages and cotton at the present price, sales are being made at less than the cost of replacement.

be only because of purchases of cotton a low price

lower price cotton and a lower

the distributing trade.
"They argue that the distributing tade while admittedly reluctant to pay higher prices, will nevertheless,

"Wholesalers consulted with resition to purchase conservatively ties particularly are monopolized by than a year ago yet with lower sal- Manchester.—Commerce Report.

that it was in any way possible to aries and wages and with strike conditions in various sections of the country active consumer support to

> "Salesmen for members of the association report, however, that their retail customers generally are realizing that prices may have to be

"Due to the strength of the cot-"The opinion prevails that manu- ton market' there has been a fair movement of gray goods and mills have been disinclined to accept orders for other than nearby delivery.

"On some constructions on which the mills can secure thoroughly satisfactory profits they are willing to sell ahead more freely but otherwise

clare that nothing but a decided reaction in the cotton market is liable to change the strong tendency of prices.

Selling Cotton Goods in South Africa.

"Losses will also probably be experienced, however, if any of the goods sold in South Africa is immerchandise was sold by the whole- ported by 25 or 30 large firms, the most important of which have branches in all principal cities where stocks are kept and from numerous salesmen travel throughout the country. These importers, who are mostly British, are also wholesalers, and some maintain retail departments. These firms have their own buyers, agents, and shippers in London ,through whom purchase both British and Continental goods.

The question of credits is not so difficult in South Africa as in many other countries, owing to the large number of strong firms whose commercial rating is very high. terms are often arranged by such firm's branch or buyer in London and the manufacturer, and it is not unusual for the manufacturer to run a current or open account with some of the well-known firms. Many purchases by merchants are also made on terms of 30, 60 and 90 days from the arrival of the documents, placement. depending on the reliability of the "They also stated that if some of firms and the class of goods. Any e Eastern mills show a profit the terms whereby the burden of the the Eastern mills show a profit the terms whereby the burden of the first six months of this year, it will financial arrangement falls upon the importer in this market are not favorably received, particularly at "Some manufacturers suggest that the present time when through the mill curtailment may result if relief general economic depression prevailis not forthcoming in the form of ing in South Africa trade is dull and capital turnover not frequent. American cotton-goods exporters "Sellers who are facing this should have no difficulty in obtain-stronger situation, declare that the ing the credit rating of South Afrireal test of whether or not higher can firms as well-known internationprices can be secured, lies with the al mercantile agencies have offices consumers and not primarily with in all the important cities of the Union and there are two or three ing South African banks which have to branches in New oYrk.
ess, The bulk of the cotton goods im-

naturally participate in the move-ported into South Africa comes from ment of merchandise at higher the United Kingdom. During the prices if the consumer will take the year 1920, which was the peak, cotton piece goods imported were valued at \$27,851,000, of which spect to this attitude toward higher British imports were valued at \$24,while many con- 758,000 and imports from the United sumers are probably in a better po- States at \$765,000. Shirting special-

Southern Railway System

Announces

Greatly Reduced Round Trip Fares

SUMMER SEASON, 1922

Take Your Choice

Week-end fares, Sunday excursion fares, Summer excursion fares, Special excursion fares to Atlantic City and Niagara Falls

Jersey Seashore Resorts

Dates sale via Sou. & P. R. R. June 28th, July 18, August 1st and 15th.

Date sale via Sou. & B. & O. July 6th, 12th and 26th, August 9th and 23rd.

Atlantic City and Other Niagara Falls via Washington or Philadelphia

Dates sale via Sou. & B. & O. June 29th, July 13th and 27th, August 10th and 24th.
Dates sale via Sou. P. R. R. July 5th and 19th, August 2nd and 16th and 30th.

TICKETS GOOD FOR 18 DAYS

Tickets good for stop-overs on return trip at Washington, Baltimore, Buffalo and Philadelphia

Week-End Excursion Fares

On sale Friday nights, Saturday and Sunday mornings to Seashore Resorts and Western North Carolina Resorts.

Tickets good until following Monday and Tuesday (Exception tickets to Western North Carolina sold Saturday and Sunday morning, good return until following Monday).

Sunday Excursion Fares

Norfolk, Wilmington and Morehead City

These tickets are on sale Saturday nights and Sunday mornings from Salisbury, High Point, Winston-Salem, Greensboro, Durham, Raleigh, Princeton and all intermediate stations. Good returning Sunday night. Not good in sleeping or Parlor cars.

SPEND SUNDAY AT THE SEASHORE

Summer Excursion Fares

- TO -

All Resorts

Mountains, Springs and Seashore. Tickets on sale daily, final limit October 31st, 1922. Stop-overs permitted in both directions.

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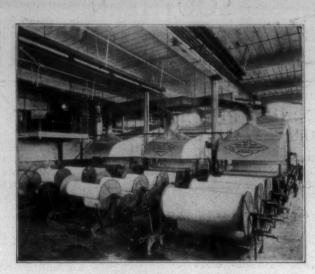
Through Pullman Sleeping Cars to All Important Points.

Excellent Service-Courtesy-Convenient Schedules.

Write for Beautiful Southern Railway Summer Resort Booklet and Other Literature.

For Further Information Call on Southern Railway Ticket Agents or Address:

R. H. GRAHAM, Division Passenger Agent, 207 West Trade Street



Pat. R. O. Pickens

Improve Your Sizing Methods

Every slasher room has a great amount of heat and moisture in it, due to the sizing of the yarn and its proper drying.

Where this moisture and heat is not properly exhausted, the heat and moisture combined make the room almost unbearable to work in, and prevent efficient and satisfactory results.

All of these faults are overcome and more work and better results are obtained when you install

Pickens Slasher Hoods

1—The hood covers both cylinders, including the size-box. This causes the yarn to dry more readily than if the hood did not extend entirely over all of the slasher apparatus.

extend entirely over all of the stasher apparatus.

The hood is divided into two compartments by means of a baffle. This baffle has a sub-baffle, which is adjustable to suit the various conditions under which the hood is worked.

The hood has a slotted opening over the large cylinder and over the size-box. This opening runs the entire width of the hood and picks the steam up in a row. As the steam is generated and picks the steam up in a row. As the steam is generated in a row it is very clear that this method has advantages over any other method.

any other method.

4—Connected to these slots or openings in hood are placed dome-shaped connections terminating into 12-inch round pipe or larger. Former tests prove that a 12-inch pipe connected to each gives more satisfactory results than one 10-inch and 15-inch, as used in the two hood system.

5—Extending entirely around the hood over size-box is a condensation gutter. This catches the condensed steam or vapor and conveys it into one tube, which prevents any water falling on the yarn and spoiling the same.

6—Hoods are made in sections, numbered consecutivels. Any mechanic with a pair of plyers and a screw driver can replace any section that wears or rusts out.

7—Making the hoods in sections they are very easily shipped and erected anywhere. Erection being done by any mechanic.

8—All parts being interchangeable, the upkeep is very low.

Twenty years of experience has enabled us to produce the finest and most perfect hood on the market today.

A Demonstration will prove this assertion-

Do you want one?

FULL DETAILS ON REQUEST

R. O. Pickens Slasher Hood Co. SPARTANBURG, S. C.

SOUTHERN TILE BULLF

Published Every Thursday by CLARK PUBLISHING COMPANY

Offices: 39-41 S. Church St., Charlotte, N. C.

D. H. HILL, JR.	
J. M. WOOLLEY	
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Single Copies	

Contributions on subjects pertaining to cotton, its manufacture and distribution, requested. Contributed articles do not necessarily reflect the opinion of the publishers. Items pertaining to new mills, extensions, etc., are solicited.

ADVERTISING

Advertising rates furnished upon application. Address all communications and make all drafts, checks and money orders pay able to Clark Publishing Company, Charlotte, N. C.

THURSDAY, JULY 13, 1922

The Dye Embargo.

Pickhardt & Company, to consum- stuff situation is again dominated by car. ers of dyestuff contains the follow- Germany. Kutroff, Pickhardt & ing paragraph:

sentatives will not be put back. same provisions now in force dustry in the United States. under the terms of the emergency tariff bill will be repealed. The removal of these restrictions Will Investigate Us. on importations of coal tar dye all the dyes needed and to fill of the textile industry prices. It would permit us to bring in samples of new products as soon as they are put on the market as well as to provide Mass. be in a position to adopt improvements as quickly as the foreign dye consumer."

of tomorrow, the tomorrow, when new cotton goods brokerage firm has that the best way to keep them out the American manufacturers of dye- been formed in New York under the stuff have been eliminated and the name of Harriss, Milliron & Harty all dyestuff industry is again a German monopoly?

United States are willing to pay connected with the Liberty Textile enough today to allow the manu-facturer of dyestuff to develop so "Cloth Tolerance," which began that the industry will in the future with an address he delivered before be able to supply all the dyestuffs the Southern Textile Association at

today or to do without certain silk goods. consumer.

The time must not come, when our dyestuff industry is crushed by "It is to be hoped that the em- and their interests are with the bargo and license provisions German manufacturers but cotton which were eliminated from the manufacturers of this country know tariff bill by the House of Repre-It is also to be hoped that these the development of a dyestuff in- Union Bleaching and Finishing Co.

Will Investigate Us.

A resolution providing for a comwould enable us to carry in stock mission to make a comparative study your orders promptly at current and South was adopted last week by delegates to the convention of the American Federation of Textile Operatives, in session at Fall River,

Harriss, Milliron and Harty.

It will be of interest to the mill That might be so today but what men of the South to learn that a the members of the firm being well and favorably known in the South.

Wm. H. Harriss, the senior mem-The users of dyestuff in the ber of the firm was until recently Charlotte last October. Mr. Harriss has also had long experience as a If a mill has to pay a higher price manufacturer of fancy cotton and

Hanes Knitting Company.

lotte, N. C., resigned a responsible Southern workingman himself. position with the New York office
of the Cannon Mills in order to enter
JNO. W. ARRINGTO the new organization.

tablished offices at 350 Broadway, New York, and combining as they do unusual experience in textile with Clark Pub. Co., Charlotte, N. C. energy and high character, we predict a bright future for them.

Automobiles From Greenville to Anderson.

In publishing the notice last week relative to the Greenville men carrying members of the Southern Textile Association from Greenville to Anderson and return on July 21st, we stated that the cars would leave the Piedmont Hotel at 7:30 a. m., whereas we meant to say Imperial Hotel.

Those who intend to attend the meeting of the Weaver's Division at Anderson, S. C., on July 21st, can reach Greenville on the night of July 20, and through the courtesy of Greenville men named week, be carried by automobile to Anderson in time to reach there before the meeting.

In addition to those named last A letter recently sent by Kuttroff, German competition and the dye- Mills will carry four men in his

> The Greenville automobiles will Company are importers of dyestuff leave the Imperial Hotel promptly at 7:30 a. m., July 21st, and any superintendent or overseer except Greenville men, will be welcome to a seat in any of the cars.

New York, July 10.

Mr. David Clark, Charlotte, N. C.

Dear Mr. Clark:

Just before leaving home Saturday read your last week's issue which had just come and now embrace the opportunity of first writing to heartily endorse your leading edi-

I have given of late considerable quantities sufficient for your It would certainly be interesting thought to the possibility of immi-practical trials. Thus you would to review their report when made. gration to the South of the riff-raff gration to the South of the riff-raff of Europe which has been making the life of some of the Eastern tex tile people nothing much short of hell itself. I have always reached hell just the conclusion you now state, of the South is for our own people to run them out in no uncertain manner as soon as they begin to show up.

The American Wool and Cotton Reporter recently published a letter from me, without stating its authorship, which letter was copied by the Journal of Commerce. In it I stated, which began and I believe most Southern people would agree with me, that I would rather see the South stand still industrially or even go backward if the price of expansion had to be the coming there of such people as I have described.

tude of every employer of labor in Colombo.)

"Pat" Harty, originally from Char- the South and, in fact, also of the

JNO. W. ARRINGTON.

Harriss, Milliron & Harty has es- Does Not Welcome New England Operatives.

Dear Mr. Clark:

Just a few lines to thank you for the editorial on New England operatives in Southern mills. I think that all Southerners ought to take off their hat to you for the stand you have taken for we do not want them in our mills.

We do not only boast that we are pure Anglo-Saxon but we are and we aim to remain so God being our helper. Keep up the good work.

Yours truly,

S. I. DAY.

Overseer Cloth Room. Covington Mills, Ga.

To Members of the Cotton Manufacturers Association of North Carolina.

Gentlemen:

At a recent meeting of the Executive Committee of this Association, resolution was passed endorsing the Southern Textile Association, and urging the cotton mill employers to co-operate with this Association by sending, at their expense, their superintendents and overseers

to the meeting of this Association.
Mr. J. D. Hammett, President of the Cotton Manufacturers Association of South Carolina, wrote the following after attending a meeting of the Southern Textile Association:

The Annual meetings are instructive and interesting, and do much good along technical lines;—yet the greatest good for the industry, as I see it, is to gather the men in a social way and have them become friends, trusting and respecting each other and eliminating to a large extent any narrow, selfish disposition that may exist among any of them. The Sectional, or as I think, a better description, the departmental, meetings that are held from time to time must, of necessity, be of great value to the men, and consequently to the industry, and I am convinced the orporation that does not insist on the Superintendents and Overseers attending these meetings atthe expense of the coporation do not realize the value there is to the indusin these meetings."

Very truly yours, HUNTER MARSHALL, JR. Secy.

Cotton Growing in Ceylon

The Ceylon Department of Agriculture is experimenting in cotton culture. Seed for planting is dis-tributed free, and the purchase of the price of expansion had to be the cotton is guaranteed American Up-oming there of such people as I land with 690 pounds in 1921-22, ave described. Seed cotton per acre led all other If you will be as watchful for cottons in yield. Cambodia gave 622 colors, it realizes that its competitors are in the same boat and that
it makes little difference as the additional price is passed on to the

Allen L. Milliron was formerly If you will be as watchful for cottons in yield. Cambodia gave 622
titors are in the same boat and that
Supply Company of Charlotte, but of it as you were in the handling of bo mill encouraged by the experiduring recent years has been with the Child Labor Law, you would ments is planting 400 acres with
the sales organization of the P. H. earn and deserve the lasting gratitide of every amplevan of labor in Colombo.

Personal News

S. C., to Clinton Mills, Clinton, S. C.

drawing-in at the Adams Cotton Mill, the past seventeen years. Maco, Ga., has been on a visit to his brother at Langdale, Ala.

ing at Shawmut, Ala.

J. D. McDuffie formerly of Kan- Ga. napolis, N. C., has accepted the position of master mechanic at Bloom-Manufacturing Co., States-

C. L. Howie overseer of weaving at Anchor Mills, Huntersville, N. C., spent the Fourth in Rock Hill, S. C., with his brother.

Roberts, of Ozark, Ala., has become assstant superintendent of the Prendergast Cotton Mills, Prendergast. Tenn.

J. E. Byars has resigned as overseer of carding at the Park Yarn Mills, Kings Mountain, N. C. to become night superintendent of the Osage Mill, Bessemer City, N. C.

C. L. Becknell has resigned as overseer carding at the Aragon Mills, Rock Hill, S. C., and accepted a similar position at the Loray Mills, Gastonia, N. C.

J. T. Knight has resigned as assistant superintendent of the Prendergast Cotton Mills, Prendergast, Tenn., and returned to his former position as overseer of carding at the Park Yarn Mills, Kings Moun-

Grady Lackey has been promoted from head fixer to second hand in No. 1 weaving at the Pacolet Manu-

Hosiery Dyer Wanted.

Hosiery Dyer by leading Southlocated in Tennessee. Must understand dyeing of silk hosiery, cotton hosiery and heather mixtures. Address Advertisement, No. 525, Care Southern Textile Bulletin, Charlotte, N. C

Wanted.—Shop man. Only first class mechanic thoroughly experienced in mill work, strictly temperate and of good character need apply. Address J. L. King, Jefferson Mills, Jefferson, Ga.

R. F. Jackson has recently changed facturing Company, No. 4, New Holposition as roller coverer from land, Ga. It was incorrectly report-Camperdown Mills of Greenville, ed last week that Mr. Lackey has been promoted to overseer of weav-J. H. Askew, overseer, slashing and has been held by W. S. Smith for

J. P. Crouch, formerly overseer of E. R. Lehmann, formerly of the ment at the Unity Spinning Mills, Dixie Cotton Mills, LaGrange, Ga., Le Grange, Ga., but who has been is now general second hand in card- farming for some months, is now overseer of the waste department at the Hillside Mills, La Grange,

M. C. Sanders, Jr.

Mr. and Mrs. Manly Calhoun Sanders, of Greenville, S. C., have sent attractive announcements telling of the arrival of M. C. Sanders, Jr. Mr. Sanders is very well known in Southern mill circles, having handled mill supplies for many

MI- CLEANSER

The Perfected, Non-Soluble, Cleaning, Polishing Cleansor, Deodorizing Scouring & Scrubbing Powder. "Six in One"



Trade Mark Reg. U. S. Pat. Office

Your Mill Supply House will furnish you Mi-Cleanser, or order direct from the factory.

Champion Chemical Co. Charlie Nichols, General Manager Asheville, N. C.

DIXON LUBRICATING SADDLE CO.

BRISTOL, RHODE ISLAND



Use Dixon Patent Stirrup Adjusting Saddles, the latest invention in Sad-dles for Top Rolls of Spinning Ma-es. Manufacturers of all kinds of hines. Manufacturers addles, Stirrups and Levers.

WRITE FOR SAMPLE

If It's MOTORS

New and Rebuilt Machines For Sale

Rewinding-Ouick Service

Armature Winding Company

L. F. STRATTON & SONS, Prop. ESTABLISHED 1907

21-23 W. 5th Street

CHARLOTTE, N. C.



This Laminar Roving Can is Seamless-It is as smooth as glass, inside and out-Has a strong, turned over top-

And it's made of Vul-Cot Fibre—as tough as

Make sure that your order ALWAYS calls for Laminar cans, boxes, barrels, trucks and baskets.

We'll send you our book "Receptacles that Stand the Gaff."

AMERICAN VULCANIZED FIBRE COMPANY Sole proprietors and manufacturers New England Dept.: 12 Pearl St., Boston



C. C. Bell, Vice-Pres., Resident Manager Home Office — Wilming-ton, Delaware. Factories at Wilmington and Newark, Del.

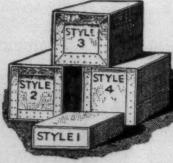


It Makes no Difference

if you do "treat them rough," their scientific construction permits them to stand up and carry your shipments safely.

Hutton & Bourbonnias Company's

Hickory



Wood Packing Cases

are constructed along the most scientific lines, by expert workmen, from White Pine, North Carolina Pine, Poplar, Oak and Chestnut, in sizes to meet your specific requirements and you need have no fear but what they will carry your shipments safely.

CATALOG ON REQUEST

Hutton & Bourbonnais Co.

Manufacturers of WOOD PACKING CASES

Drawer 330

North Carolina

MILL NEWS ITEMS OF INTEREST

Newberry, S. C.—The Newberry Cotton Mills have paid a 4 per cent semi-annual dividend.

Newberry, S. C.—The . Oakland Gotton Mills have paid a semi-annual dividend of 4 per cent.

Newberry, S. C.—The Mollohon Manufacturing Company has paid a 4 per cent semi-annual dividend.

Gastonia, N. C.—The Ranlo Manufacturing Company has paid a five per cent semi-annual dividend.

Gastonia, N. C.—A semi-annual dividend of 2½ per cent has been paid by the Myrtle Mills.

Clinton, S. C.—Thos. T. Neary, of Brooklyn, N. Y., is at the Clinton Mills installing an Audiffern Refrigerating Machine for cold water drinking without ice. Another improvement to be made is the erection of a Paige fence around the mills

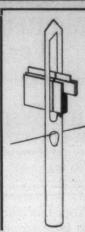
Calhoun Falls, S. C.—It is reported that the Calhoun Mill here will be consideredably enlarged. The mill now has 25,600 spindles and 600 looms and ocal reports state that the equipment will be increased to 42,-000 spindles and 1,000 looms.

Knoxville, Tenn.—The Standard Knitting Mills here will hereafter be represented at its New York office by J. L. Brownlee, who will act in the capacity of sales agent. He takes the place of J. T. Brownlee, who resigned in connection with the re-organization of the Appalachian Mills of this city. The New York office of the Standard Mills is at 346 Broadway, room 1040.

New Orleans, La.—Maginnis Cotton Mills, New Orleans, La., is erecting a brick and concrete storage warehouse 128 feet by 112 feet, two stories and basement, to be used by storing raw cotton and finished goods as well as opening department for raw cotton. Emile Weil, New Orleans, is the architect and O. M. Gwin Construction Company, contractors.

Searcy, Ark.—T. W. Campbell, of Little Rock, and Charles Kramer, of Mississippi, at a recent meeting of the local Chamber of Commerce, presented a proposition relative to the locating of a modern cotton mill here. In consideration of certain things later to be decided upon, they proposed to erect a mill here to cost at least \$400,000, and possibly \$500,000, or more. The Chamber of Commerce passed a resolution endorsing the plan and pleadging the promoters support in every way possible, and it is hoped that financial arrangements will be completed soon, so that the mill may be erected here.

The Arkansas Cotton Mills Co., of Little Rock, is understood to be behind the project.



THE K-A ELECTRICAL WARP STOP MOTION

For Looms

introduced in the South one year ago. Now more than 4000 on order and in operation in North Carolina alone. Names of satisfied users furnished upon request.

R. I. WARP STOP EQUIPMENT CO. 414 Realty Building

P. O. Box 1026

Charlotte, N. C.

S. Arleigh, Sou. Representative

Member American Society Landscape Architects

E. S. DRAPER

CHARLOTTE

NORTH CAROLINA

LANDSCAPE ARCHITECT and CITY PLANNER

Community and Mill Village
Developments
Parks, Real Estate Subdivisions
and Cemeteries
Resort Hotels and Country Clubs
Private Estates and Home Grounds

Complete Topographic Surveys
General Designs, Planting, Grading
and Detail Plans
Supervision of Landscape
Construction
Inspection and Maintenance

Largest Landscape Organization in the South

MOTORS—on Hand

1—125 H. P. General Electric, 2200 volt, 600 r. p. m. 1—100 H. P. Westinghouse, 550 volt, 690 r. p. m. 1—75 H. P. General Electric, 2200 volt, 900 r. p. m. 1—50 H. P. General Electric, 2200 volt, 875 r. p. m. 1—15 H. P. General Electric, 550 volt, 1200 r. p. m.

Used, good condition.

Also Robbins & Myers new Motors, from 50 H. P. to 1-10 H. P., 220 and 550 volts.

SOUTHERN TEXTILE MACHINERY COMPANY
Greenville, S. C.



CLEAN QUALITY

SUPERIOR SERVICE

If a drive is worth belting, it is worth belting well. Why be satisfied with a mediocre belt? Cheap belting is false economy—the safest investment in the world has always been REPUTATION.

Charlotte Leather Belting Co. Charlotte, N. C. Millen, Ga.—H. R. Whitehead, vice president of the Western Reserve Cotton Mills Company, announced this week that the Millen Cotton Mill would operate both day and night shifts, commencing at once.

Mr. Whitehead stated that the Western Reserve Cotton Mills Company is now negotiating for another textile plant in the South. This deal will likely go through within the next 90 days, he said.

Mr. Whitehead stated that it was his opinion that the mills in the North would find it to their interest, owing to labor, freights and other difficulties, to remove their plants to the cotton belt.

Montgomery, Ala.—Plans made by the J. E. Sirrine Company, Greenville, have been completed and the contract let for the construction of a \$750,000 factory to be erected soon at Kilby state prison in Alabama. This factory will contain 10,000 spindles and will be operated by the inmates of the prison.

The factory is to be two stories high, built entirely of reinforced concrete and modern in every detail. The product of the factory is to be shirts alone. It will be possible to carry the cotton through from the raw staple of the field to the finished product. Included in the machinery of the mill will be a dye plant and all colors of shirts can be produced.

A warehouse is also to be erected near the big factory. This warehouse will have a floor space of 10,000 feet. The floor space of the mill, including both floors, will contain 60,000 square feet.

The contracting job has been secured by the Hagger Brothers, of Montgomery, Ala., and work on the plant will begin immediately.

Greenville, S. C.—Rumors that a large bleaching and finishing plant is to be established near Greenville gained credence this week when it was learned that a 30-day option had been granted, supposedly to Northern capitalists, upon a tract of land of approximately 200 acres on the Enoree River, near Chick Springs.

The owners of the property were

The owners of the property were unwilling to state the amount of the option or the company which secured it. However, it was stated that the option will not expire for nearly 30 days, and that at least two persons who are well known as being prominently identified with large bleaching and finishing plants recently visited the property upon which the option has been secured. One of these is said to be from Mansfield, Mass., and the other from West Point, Ga.

Beyond the information obtained from the owners of the property that an option had been given, nothing definite was obtainable, although many rumors have been afloat for several days. One of these, and one a large bleaching and finishing plant

Dividends in Gaston County.

The following mills of G		
county, N. C., have paid divid	end	ls,
according to a list furnished by	R.	C.
Dickson and Co., of that city:		
Parkdale Mills	21/	
Flint Mfg. Co	24	2 *
Gray Mfg. Co	24	2*
Myrtle Mills	24	6 *
Arlington Cotton Mills	24	6 *
Seminole Cotton Mill Co	24	6*
Clara Mfg. Co	24	6*
Armstrong Cotton Mills Co	24	2 *
Mutual Cotton Mill Co	24	2*
Osceola Mills	5	X
Victory Cotton Mills	13	4 *
Monarch Cotton Mills, Dallas	24	6 *
American Cotton Mills, Besse-		
mer City	5	X
Dixon Mills, Gastonia	3	X
*Payable quarterly.		
xPayable semi-annually.		

Gossett Sees Bright Future For Textile Industry.

Williamston, S. C.-Rumors of large textile developments, particularly of finishing and bleaching plants, in the southeastern states are not without foundation. according to J. P. Gossett, who is president and treasurer of the Williamston Mills, Calhoun Mills, of Calhoun Falls, and the Brogon and Toxaway Mills, of Anderson, Mr. Gasestt having given a statement to the Greenville News.

While realizing that talk of New England industries coming south to avoid certain legislation passed by the state of Massachuetts is probably correct only to a certain extent, Mr. Gossett believes that the time is not far distant when other bleaching and finishing plants are sure to be located among the textile plants which now spin and weave the cotton.

It is also considered as possible if not likely that conditions now existing in the south will cause an increase in the number of cotton mills and an enlargement of many of those now operating. But it is particularly in the line of bleaching and finishplants that Mr. Gossett bright things for the south in the none too distant future.

'Anyone can readily see the necessity for such plants when the bulk of cotton goods made in this section have to be sent to the New England states to be finished. For a time there was a prejudice against south-

RUSSELL GRINNELL, President

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which is given some credence by ern finished goods but it has been The four mills of which Mr. Gos- woven and finished in the same when it would no longer be necessary to ship goods to that part of said to be one of the few mills in made there.

The Brogon mill of Anderson is section that can finish the goods sary to ship goods to that part of said to be one of the few mills in made there.

The Brogon mill of Anderson is section that can finish the goods to that part of said to be one of the few mills in made there.

Textile Outlook Bright.

Mr. Gossett, while no undue on-

mill architects of Greenville, is that conclusively proven that goods fin- sett is the head have an output plant. In other words, the cotton ished in the south can be and are nearly sufficient to maintain one does not have to go elsewhere from is to be located on the site which the equal of those finished in Fall finishing and bleaching plant, it was the time it leaves the farmers' wagrecently was inspected.

River or any other New England stated. With the exception of the on until it reaches the customer, To say nothing of the time Brogon mill, the three mills send having been completely finished at and other matters involved, think their goods north to be finished be- Brogon. As stated, however, this is

on the finished product that is re-made. The raw cotton is purchased timist, believes that the outlook for turning to this section." from farmers and is carded, spun, the textile industry is bright. He the textile industry is bright. He has been actively engaged in the textile industry since 1902 and probably no mill executive in the Piedmont section is better qualified to speak on conditions along this line than he is. In addition to being president and treasurer of the four mills named, Mr. Gossett is interested in a number of other textile plants and is also president of the Bank of Williamston.

Dividends at Anderson.

Mills here have paid dividends as

Brogon Mills, quarterly 11/2 per cent on \$1,321,600 common stock; Gluck Mills, semi-annual 4 per cent on \$450,000 common stock; Orr Cotton Mills, semi-annual 4 per cent on \$800,000 common stock; semi-annual 31/2 per cent on \$800,000 preferred stock; Toxaway Mills, semi-annual 5 per cent. on \$4,88,875 common stock; Chiquola Manufacturing Company (Honea Path, S. C.), semi-annual 5 per cent on \$358,000 common stock; semi-annual 3 per cent on \$358,000 preferred stock; Chesnee Mills (Chesnee, S. C.), semi-annual 4 per cent on \$391,900 common stock.

Consolidated Textile Mills Show Increased Production.

An examination has just been made involving a comparison of the output of Consolidated Textile Corporation mills in the South at the present time with the output of the same mills in October, 1920. The latter date was selected for purposes of comparison because it represents. generally speaking, the time when these mills came under consolidated management.

Production as measured in pounds of output per week shows an increase of 15.15 per cent for all south-This result has been ern mills. brought about in spite of the fact that in almost all cases finer varns are now used, and a decrease instead of an increase of production might have been expected, but for the improvements in operating methods that have been introduced.

THE TRIPOD PAINT COMPANY -MANUFACTURERS-ATLANTA GEORGIA

MILL WHITES, PAINTS, STAINS, Etc. Write for Prices and Free Samples



THE CHOICE OF A HUMIDIFYING SYSTEM

must be one that for simplicity with great capacity and economy in maintenance produces uniformly such conditions that may be determined for the different requirements of the work. In the American Moistening Companys method of humidifying, all such requirements are GUARANTEED.

Our COMINS SECTIONAL HUMIDIFIERS
Our FAN TYPE and HIGH DUTY HUMIDIFIERS
Our VENTILATING Type of Humidifier (Taking fresh air inte
the room from outside)
Our ATOMIZERS or COMPRESSED AIR SYSTEM
Our COMPRESSED AIR CLEANING SYSTEM

Our CONDITIONING ROOM EQUIPMENT Our AUTOMATIC HUMIDITY CONTROL (Can be applied to systems already installed)
Our AUTOMTIC TEMPERATURE CONTROL
Are all STANDARDS OF MODERN TEXTILE MILL EQUIPMENTS.

AMERICAN MOISTENING COMPANY

BOSTON, MASS.

FRANK B. COMINS, General Manager

SOUTHERN OFFICE, Atlanta Trust Company Building, ATLANTA, GEORGIA

TALLOW—OILS—GUMS-

ALSO HOSIERY FINISHING AND BLEACHINGS

A new product especially for Print Cloths. A complete warp size, requires no addition of tallow



Tallow, Soluble Grease, Soluble Olls, Gums, Glues, Gum Arabol, Lancashire Size, Waxes, Finishing Pastes, Soaps, Glycerine, Readymade eavy Size, Sago and Tapioca Flours, Dextrines, China Clay, Soluble Blue Bone Grease, Bleachers' Blue.

SPECIAL COMPOUNDS FOR WARPS, WHERE STOP MOTIONS ARE USED.

WEIGHTING COMPOUNDS FOR COLORED AND WHITE WARPS. FINISHING COMPOUNDS FOR ALL CLASSES OF FABRICS. The Arabol best grades of cotton warp sizing compounds make the "finest weaving and will hold the fly."

These compounds are based on the best practical experience and the best materials used in their manufacture.



The Arabol Manufacturing Co.

R. P. GIBSON, South Carolina Agent, Greenville, S. C.

Southern Agent: Cameron MacRae, Concord, N. C.

P. D. JOHNSON Ga., Ala, and Tonn, Agent, Atlanta Ga

Summer Travel on Southern Railway.

The Passenger Traffic Service of the Southern Railway system has recently issued a number of book-lets descriptive of the various summer resorts served by the Southern. One publication "Southern Railway Summer Resort Folder" is particularly worthy of note, as it is one of and Chicago. the most striking folder of its kind ever published. The work is a beautiful example of printers' art, and in addition gives an extremely interesting presentation of the various the H. Brinton Company, says: summer resorts reached by the "The new home of H. Brinton Southern system. The illustrations Company is located at Kensington show a large number of very beautiful resorts in the South and the Philadelphia.

book as a whole will prove inter- and better facilities will enable us expecting record crowds. Through in the South. A copy of this book- tomers." let will be mailed to any interested person upon request.

company include:

Southern Railway Hotel List. Leaflet, Through Pullman Sleeping Car Service Between Asheville

Notice of Removal.

Relative to a change in location

esting and useful for many traveler to more efficiently care for our cus-

Other folders just sent out by the Southern Railway Starts Summer

Asheville, N. C-The summer tourist season has been opened by the Southern Railway System with the inauguration of the "Land of the and Richmond, Va., via Asheville, Sky Special," giving over-night and between Cincinnati, Ohio, and service between Asheville and the Goldsboro, N. C., via Asheville. Southwest with through sleeping In addition to the service in cars from Wilmington, Charleston, Savannah, Atlanta, and Macon.

Through car service to Asheville Company is located at Kensington for this season covers a broader ter-Avenue and M. Street, Frankford ritory than ever before and all the Our larger quarters Western North Carolina resorts are

sleeping car lines have been established to Asheville from Chicago and St. Louis in addition to which the lines from New Orleans, Mobile, Montgomery, Birmingham, and Chattanooga have been re-established for the summer.

Sleeping car lines have also been established between Memphis, Tenn.,

In addition to the service in effect the year round, these new lines give through sleeping car facilities to Asheville from all sections of the South and from practically every important city east of the Mississippi River.

Manufacturers of Speeders, Skewers, Warp Bobbins, Filling Bobbins, Cap Spinning Bobbins, Northrop Loom Bobbins, Twister Bobbins, Twister Spools, Warper Spools, Comber Rolls, Quills, Underclearer Rolls (plain or covered).

U S Bobbin & Shuttle Co.

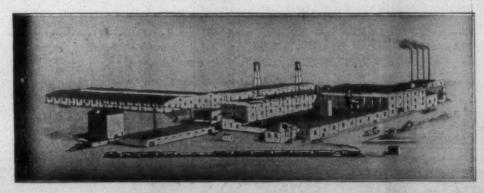
57 EDDY STREET

PROVIDENCE, R. I.

SHUTTLES

We make a specialty of Shuttles for all makes of looms, both plain and automatic. Correspondence solicited.

VICTOR MILL STARCH - The Weaver's Friend



It boils thin, penetrates the warps and carries the weight into cloth. It means good running work, satisfied help and one hundred per cent production.

We are in a position now to offer prompt shipments.

THE KEEVER STARCH COMPANY

COLUMBUS, OHIO

Southern Representatives:

Claud B. Her, Greenville, S. C.

D. H. Wallace, Greenville, S. C.

-the Winder Boss will tell you-

There is no time for cone-inspection in the Winding Room. He must get his cones on the winder as fast as the mandrels can be capped—or the cost sheet suffers. And each one must be as true as any other part of the winder itself—or the product suffers. That is why he works best with

"Sonoco" Cones and Tubes

Individually Inspected at the Factory

Write for Samples and Prices to

Southern Novelty Co., Manufacturers Hartsville, S. C.

L. T. Shurtleff, Eastern Sales Agent, New Bedford, Mass.



Water-Proof Leather Belt

In Modern Plants NAVY SPECIAL WATER-PROOF BELT is a necessity.

Its soft clinging surface, its perfect pulley adhesion, and its being absolutely waterproof make it THE BELT for the weave room or dye house.

WE CARRY A FULL STOCK AT OUR SOUTHERN BRANCH.

Baltimore Belting Company

Factory Baltimore, Md. Southern Branch Spartanburg, S. C.

SACO-LOWELL SERVICE BULLETIN NO. 4

Our Southern Repair Shop in Charlotte is under the direction of Mr. W. E. Harvell who has had twenty years experience with us in rewinding lickerins and reclothing top flats.

Before Mr. Harvell took charge of this shop he served several years as an erector of Saco-Lowell cards.

His men have been trained carefully and have also had years of experience.

Such experience does count and we want to give you the benefit of this experience by rewinding your lickerins and reclothing your flats.

We rewind all makes of lickerins and reclothe all makes of flats.

TRY THIS SERVICE

SACO-LOWELL SHOPS CHARLOTTE, N. C.



Direct Sulphur Chrome Dyes Basi Vat Acid

Special Shades Matched

VELVETEEN

The Best Boil-off and Finish

Softeners

Oils

Finishes

United Chemical Products Corporation

Importers, Exporters and Manufacturers

York & Colgate Sts. Jersey City, N. J. Southern Office, 307 Commercial National Charlotte, N. C. Bank Building

R. T. GRANT, Charlotte, N. C.

GEO. W. WATSON, Hazlehurst, Miss. LINDSAY PADGETT, Shelby, N.C.

A. E. Jury, of the U. S. Rubber Co. as chairman of Committee D-13 of American Society for

society in Atlantic City last week:

Report of Committee D-13.

"Committee D-13 on textile mate-Testing rials held two meetings during the tendance of guests representing or-

Both meetings were well attended by members and there was a large aterances for tire and other mechani- both of these meetings were held in discussion of preliminary reports cal cotton fabrics, rendered the fol- that society's rooms in Providence, from the sub-committees. These dis-

> A great deal of constructive criticism has resulted from the publication in 1921 of the Tentative Specificatoins for Imperfections and Tolerances for 60-in. 174-oz. Square-Woven Tire Builder Fabric (D 122-21T) and this matter has been the subject of considerable discussion both by Sub-Committee VI on imperfections and tolerances, and by committee D-13. Important revisions have been made in this tentative standard, and in the revised form in which it is herewith submitted to the society, under the title "Tentative Specifications for Imperfections and Tolerances for 60-in. 174oz. (made of yarn not less than 8 ply) Square-Woven Builder Fabric," to replace the present tentative specifications, it was unanimously approved by all members present at the March meeting of committee D-13.

The standardization of methods for determination of crimp and off square, particularly the expression

Study Cotton Hose and Belting Duck. lowing report at the meeting of the the first on Oct. 28 and 29, 1921, and of results of these tests, is of great the second on March 3 and 4, 1922. importance to manufacturers and consumers of tire fabric. At present there are two methods in use from which the values obtained are at Materials, which has undertaken the past year. Through the courtesy of ganizations. At the fall meeting, the considerable variance with each work of creating standards and tol- the Providence Engineering Society time was principally taken up in other. In answer to a questionnaire submitted to the tire fabric and tire industries by a special sub-commitcussions resulted in recommenda- tee appointed to study this matter, tions to sub-committees for continu- a large majority replied that the ation of the work and complete re- method at present recommended by ports were submitted at the spring committee D-13 is being used. This committee therefore recommends that the tentative methods of testing textiles (D 76-20 T) be published for the year 1922 with no other change than the addition to Section 6 of a note describing "Take-up" to read as follows:

> "NOTE .- 'Crimp' shall not be confused with 'take-up which is the percentage difference between the yarn length after straightening and the yarn length as it lies in the fabric based on the straightened yarn length. The threads for the 'take-up' test shall be straightened with the same machine used for the 'crimp' test, but for this test it shall be equipped with an extra scale on dial, in which case the scale shall be plainly marked 'crimp' and 'take-up'

> A great deal of interest was shown by both members and guests in a new principle for a machine for testing fabric with a constant rate of load application described in a paper read at the October meeting by Henry L. Scott. At this meeting Prof. Haven presented a discussion siyi ui pəajoaui səijeməyiem əyi uo machine. At the March meeting Mr. Scott exhibited a working machine built on this principle which was constructed at the request of committee D-13.

Committee D-13 recommends that the following revisions be made in the tentative revisions of terms relating to mechanical fabric (D 123-21 T)

Change the title from its present

form: namely, "Tentative Definitions of Terms Relating to Mechanical Fabric." to read as follows:

Tentative Definitions of Terms Relating to Textile Materials."

Add a new central heading to read as follows:

"(A) Mechanical Fabric."

Section 3.—Change the definition of oil belt duck from its present form: namely

"Oil Belt Duck .- A closely woven fabric of piled yarns not over No. 8, made in a variety of widths, the weight being based on the square yard," to read as follows:

"Oil Belt Duck .- A closely woven fabric of plied yarns not over No. 8, made in a variety of widths, usually a 32-oz. fabric, the weight being

based on the square yard."

Change the definition of numbered duck from its present form: namely,

"Numbered Duck .- A plain woven fabric of plied yarns ranging from coarse to fine numbers, weight being based on 22-in. width one yard long. to read as follows

Numbered Duck.-A plain woven fabric of plied yarns ranging from coarse to fine number, weight being based on 22-inch width."

Seaboard Air Line Railway

WEEK-END EXCURSION FARES

To SEASHORE AND MOUNTAIN RESORTS.

	nd	From Charlotte, Rou	
N. C. To Trip I	Fare	N. C. To Trip	Fare
Portsmouth, Va\$1	15.10	Hickory, N. C\$	2.55
Virginia Beach, Va 1	15.60	Lenoir, N. C.	3.40
Wilmington, N. C	8.15	Linville Falls, N. C	5.05
Wrightsville Beach, N. C	8.60	Alta Pass, N. C	5.75
Rutherfordton, N. C	3.45	Spruce Pine, N. C	5.90
Lincolnton, N. C	1.40	Switzerland, N. C	5.60
Shelby, N. C.	3.30	Unaka Springs, N. C	7.80

Tickets on sale Fridays and Saturdays June 16th to September 23rd, with final limit to Tuesday following date of sale.

For further information call on Ticket Agent or address

E. W. LONG, Division Passenger Agent, Charlotte, N. C.

Your Roving Spindles

All Textile Mills have ROVING SPINDLES that are worn at the top, where the Flyers Fit, or they may be broken off. In either case they need REPAIRING or REVERSING.

Our method of Welding Tops by Electricity, then forge down on a heavy forging machine, to a rough size, makes the part Repaired Tough and of the Best Wearing Quality. They are then ground to a uniform size, which makes the SPINDLES as GOOD as NEW.

If the bolster bearing has worn to a smaller diameter, or worn flat, we weld the SPINDLES by taking off the whole worn part and replacing it with a new part. This makes the SPINDLE Full Size With All Bearings.

All Our Work Is GUARANTEED NOT TO BREAK AT WELD.

Southern Spindle & Flyer Company

CHARLOTTE, N. C.

Manufacturers, Overhaulers and Repairers of Cotton Mill Machinery

W. H. MONTY.

W. H. HUTCHINS.

from its present form: namely,

closely woven plied yarns, weight being based on 28½-inch width." to read as follows:

fabric of plied yarns usually ranging C. E. Herring, Berlin.

read as follows:

4. Twill.-A weave which produces prononuced lines, running diagonally across the fabric, some of which are known as follows:

(a) Drills-A commercial term for a fabric with warp face twill usually made with three harnesses and sin-

(b) Alberts.—A commercial term for a fabric with filling face usually made with four or five harnesses,

(c) Jeans.-A commercial term for fabric with warp face twill like a drill but with higher count and finer

(d) Serge.—A commercial term for fabric of twill weave made with four harnesses two by two.

(e) Clay.—A commercial term for

fabric similar to a serge but made with six harnesses three by three."

Partly because of the great variety of products produced by textile man-ufacturers and partly because of lack of appreciation of the advantages which could be obtained through the use of tests methods common to the seller and buyer there there has been and still is a very noticeable lack of standardization on the part of textile manufacturers in the testing of their products. Obviously the benefit to be derived from a set of standard test methods by manufacturers and consumers depends upon the extent to which they are used, and Committee D-13 has been constantly faced with the problem of making the use of its test methods more general. During the past year considerable work has been done to acquaint textile manufacturers with the society's standards, and recommendations have been made to the eexcutive committee of the society regarding the en-dorsement of the Standard General Methods for Testing Cotton Fabrics (D 39-20 T) by textile associations.

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To fill the need for the development of standards relating to hose and belt ducks, a new sub-committee has been appointed which includes representatives of several of the largest manufacturers and consumers of these fabrics.

During the past year, 12 new members have been enrolled in Committee D-13."

Artificial Silk Waste Made Into Cloth.

Washington.-A new use for artificial silk waste, previously employ-

Change the definition of army duck ed to some extent for mixing in with wool to impart finish, has been dis-"Army Duck .- A fabric made in covered by Herr W. Rexroth, a wellknown fiber and dyestuffs expert of g based on 28½-inch width." to Fuerstenberg, Mecklenburg, Gerad as follows:

"Army Duck,—A closely woven received from Commercial Attache

between 7 to 12 ounces, the weight being based on 28½-inch width."

Add a new Section 4 including six new definitions under the new central heading "(B) Cotton Fabrics Other Than Mechanical Fabrics," to ed system, and then making it into cloth for clothing, dress goods are The new Rexroth process involves the breaking up of the waste, a chemical treatment to make it reed system, and then making it into cloth for clothing, dress goods ar suitings, linings, etc. It is common-ly known that artificial silk cannot be washed without disintegrating to some extent, but this process is said to have evolved a fabric which can be washed and boiled with soap without harm.

A Day of Specialists



Quality Shooks-

Quick Service We make a specialty of

Packing Cases for hosiery and Yarn Mills.

Jennings Manufacturing Co. Thomasville, N. C.

WELL DRILLING AND DEEP WELL PUMPS

We do the engineering, and have had 32 years experience solving water problems satisfactorily for textile mills.

Sydnor Pump & Well Co., Inc. Richmond, Va.

COMPLETE DYEHOUSE EQUIPMENT

Special Machinery for Textile Mills
The Klauder-Weldon Dyeing Machine Co. Bethayres, Pa

BURNED OUT!

Motors, Generators, Armatures, and Transformers, Rewound and Rebuilt.

Specialty Cotton Mill Work Open Day and Night

Standard Electric Company 1821 East Main St., Richmond, Va.

WENTWORTH Double Duty Travelers

Last Longer, Make Stronger Yarn, Run Clear, Preserve the SPINNING RING. The greatest improvement entering the Spinning room since the advent of the HIGH SPEED SPINDLE. Manufactured only by the

National Ring Traveler Company Providence, R. I.

MERROWING

Established 1838

Stocking Welting Toe Closing Mock Seaming

Maximum Production Minimum Cost of Upkeep Unexcelled Quality of Work

THE MERROW MACHINE COMPANY

20 Laurel Street, Hartford, Conn.

WOODTANKS Tanks for all Purposes

Vats for DYES and

G. Woolford Wood Tank Mfg. Company 710 Lincoln Bldg. PHILADELPHIA, PA.



Manufacturers Should Look Up the Advantages of

Metallic Drawing Roll

Over the leather system before placing orders for new machinery, or if contemplating an increase in production, have them applied to their old machinery. It is applied successfully to the following carding room machinery:

Railways Sliver Lap Machines Ribbon Lap Machines Comber Draw Boxes

Detaching Roll for Combers Drawing Frames Slubbers Intermediate Frames

25 TO 33 PER CENT. MORE PRODUCTION GUARANTEED

For Prices and Circular Write to

The Metallic Drawing Roll Co. INDIAN ORCHARD, MASS.

Spartan Sizing Compound Co.

WITHERPSOON & WITHERSPOON,

SPARTANBURG, S. C.

Manufacturers of Spartan Compounds, Tallows and Gums

BETTER NON-FLUID OIL LUBRICATION

It Feeds Right to the Bearings

You have no trouble applying NON-FLUID OIL-it goes right to the bearing-a drop at a time from an ordinary oil can, no waste or dirtying of machines and floors.

For real economy use



NON-FLUID OIL gives your machine perfect and positive lubrication and costs less per month than liquid oil-because less-much less-is required.

Banish oil stains-an unnecessary expense-NON-FLUID Off. won't drip, spatter or creep.

We'll send testing sample on request

NEW YORK & NEW JERSEY LUBRICANT CO.

401 Broadway New York

Southern Agent, L. W. Thomason, Charlotte, N. C.

Ample Stocks at our Branches: Charlotte, N. C.; Greenville, S. C.; Atlanta, Ga.; New Orleans, La.

AT LESS COST PER MONTH



Easy to cook



Staley's Eclipse Thin Boiling Starch produces a soft, smooth warp with a minimum amount of size compound. It requires less time than usual for cooking. Every bag is absolutely uniform.

There is a Staley Starch for every textile need. Write for samples and prices.

A. E. STALEY MFG. CO. DECATUR, ILL.

Southeastern Office A. E. Staley Mfg. Co., 508 Andrews Law Bldg., Spartanburg, S. C. Mr. Geo. A. Dean, Mgr.

outhern Representative J. W. Pope, Care Ansley Hotel,

Absolute Uniformity

SIX IN ONE

Saves TIME and LABOR, which increases **PRODUCTION**

Use MIDLAND PINE CLEANSER around

your mills as follows

SCRUBBING

Scrub all floors at least once a week or oftener when required with a solution of two ounces of PINE CLEANSER to each three gallons of HOT WATER. This also applies to doors, desks, windows and all woodwork and tile, marble and cement floors.

MOPPING Use as above, but be sure to rinse mop out with clear water. SWEEPING

DRY SWEEPING should not be permitted in any part of the building. Always sprinkle PINE CLEANSER over dry sawdust or apply direct. Dust is a germ carrier, so fight the cause by using a solution of two ounces PINE CLEANSER to about three gallons of water.

TOILETS

Scrub all bowls, partitions, troughs, in all toilet rooms at least twice a week with a solution of three ounces of PINE CLEANSER to each three gallons of HOT WATER. This will destroy all odors and bacteria, due to the powerful germicidal action.

SPRAYING

A solution of PINE CLEANSER sprayed or sprinkled into dark corners in basements, sinks, drains, etc., will remove foul odors, will leave the premises with the pleasant and aromatic odor of pine.

WINDOWS

Wash in the usual way and use one ounce of PINE CLEANSER to

Wash in the usual way and use one ounce of PINE CLEANSER to each three gallons of tepid water. This will leave the windows clear. LOOK FOR OUR TRADEMARK



WE HAVE NO BRANCH HOUSES Manufactured only by

Midland Chemical Laboratories, Inc. DUBUQUE, Iowa, U. S. A.

Artificial Silk and the Textile Industry.

(Continued from Page 3) as the silk after absorption of the

amine is in most cases colorless. This method, although long, yields shades of good fastness to light and washing.

General Properties.

can be produced in varying shapes of cross section, either smooth or round or irregular and serrated. These types find perferential use in braiding, weaving etc. It is also possible to spin viscose to as fine as 0.7s denier per filament, finer than real silk. Mr. King further pointed out that treatment with boiling water has little effect on nitro, cuprammonium or viscose silks, but the Government Reports on Cotton for greater part of the lustre of acetate 1922-23 Season. greater part of the lustre of acetate ture. Even at 85 deg. Cen. this is time is one hour earlier, apparent, and this feature is rather August 1, 11 A. M.—Cotton condiunfortunate when higher tempera- tion. tures are necessary in dyeing.

David R. Coker's Tests With the cotton ginned. Weevil and Molases-Arsenate.

David R. Coker, of Hartsville, has issued the fillowing supplementary tion. statement about the molasses and calcium arsenate mixture:

During the past few days many farmers in this section have made cotton ginned. tests with various mixtures of calcium arsenate and molasses, and in cotton ginned. every instance with which I am fa- December 8, miliar, they are delighted with the cotton ginned. results. On our own plantations we have experimented with several mixtures, and are now using a mixture December 20 of one-half gallon warm water in cotton ginned. is thoroughly mixed one pound of calcium arsenate, and add- cotton ginned. ed to one-half gallon apply to the bud of the cotton by the cork, re- cotton ginned. verse the bottle and of black molas- March 20, 10 We have found a convenient from census bureau. way to apply is to use a quart bottle which is filled three-fourths full of the mixture. Cut a trench out of one dropping two or three drops in the bid of the plant. This method requires less of the mixture per acre mixture should be carried over night as it is hard to mix the next mornshould be thoroughly stirred before pouring into the bottles (or buckets of the mop is used.)

Mr. Randolph Gillespie applied the molasses mixture to three differ1 fields on the 12th, 13th and 14th. This morning (16th) he spent more than an hour in these fields searching for weevils. He found no ings.

The rate from Memphis to New from 59c to 85c, tured squares. There were many weevils in the fields before the poi-

at pur Arp and Sutanp pash aques the interest of obedience to the long ing. No more should be mixed than and short haul prohibition, which his fields before poisoning. He poi-forbids a low rate for the longer soned on the 8th and 9th and on the haul than for the shorter over the 12th and 13th. He sent hands in-same rails in the same direction. The to the fields to pick weevils and the rate from Memphis to New York hands could find no weevils. Mr. will go up from \$1.21 to \$1.37.

Jordan and Mr. Middleton went into the fields themselves and looked for some time and could find none.

On Monday the 12th instant, we poisoned the field near the Pedigreed Seed Company's gin and warehouses in which numerous weevils had been observed. On Wednesday we sent about twenty hands into this field, offering them 2 cents each General Properties.

All artificial fibres are more lustrous than real silk. When spun for live weevils. A few quit, pretty in fine filaments, however, the lustre promptly on not finding weevils. becomes less brilliant. Viscose silk About fifteen, however, kept looking the same fine but none found a for some time, but none found a weevil after going over about seven acres. Mr. Sharpe, who charge of the gang, raised the price to 5 cents per weevil, but still failed to find any. Later price was advanc-ed to 10 cents per weevil, and not a single hand found a weevil after searching for two hours.

silk is lost. This silk also shrinks Will be issued as follows: Standard becomes soft or woolly in tex- ard time Washington. New Orleans

September 1, 11 A. M.—Cotton con-September 8, 10 A. M.—Census on

October 2, 10 A. M.—Census on cotton ginned.

October 3, 11 A. M .- Cotton condi-

October 25, 10 A. M.-Census on cotton ginned.

November 8, 10 A. M.-Census on

November 21, 10 A. M.-Census on

December 8, 10 A. M.—Census on

December 12, 2 P. M.-Final estimate cotton crop

December 20, 10 A. M.-Census on January 8, 10 A. M.-Census on

January 23, 10 A. M.—Census on

March 20, 10 A. M.-Final ginnings

Rates on Cotton Will Be Advanced.

Washington, D. C .- An upward side of shaking or plunging motion, revision of freight rates on cotton will be made by the railroads of the country about July 25. The Interstate Commerce Commission has and keeps it thoroughly agitated all given its assent. The railroads may the time. We find that none of the make increases less than they proposed last November when they filed tariffs with a view to removing violations of the long and short haul clause that existed in their rates from Memphis, New Orleans, Little Rock, Helena, Vicksburg and other places on the Mississippi to gulf ports, South Atlantic ports, eastern seaboard and interior cities.

many Orleans will go up from 59c to 85c, per hundred pounds. The railroads son was applied. proposed to increase it to 90c, but Mr. J. L. Jordan was picking the rate regulating body said that about fifty weevils per acre from that would be too much, even in

The Liberty Knotter



is absolutely the most simple, the most economical and will last longer, if properly handled, than any Knotter that has ever been offered the textile trade.

GUARANTEED FOR ONE YEAR

Manufactured and Sold by

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Starch



-and these Stars have a meaning

They signify the different grades in which Thin Boiling Eagle Starch is offered to the textile industry.

Being the pioneers in the manufacture of Thin Boiling Starches, we are gratified at the widespread recognition they have received.

Be sure to select the grade best suited to your work. Our knowledge and experience is at your service.

CORN PRODUCTS REFINING CO.

Starch

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DIRECT FROM SPINNERS TO CONSUMER
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MILLS DESIRING DIRECT REPRESENTATION AND HAVE THEIR PRODUCT SOLD UNDER THEIR OWN MILL NAME WILL PLEASE COMMUNICATE.

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Cotton Piece Goods and Cotton Yarns

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Cotton Yarns

for Knitting, Weaving and Converting in all twists on cones, skeins, tubes and warps:

36s to 80s Single and Ply Combed Peeler-Right Twist

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20s to 60s, 2, 3, and 4 Ply Combed Peeler-Reverse Twist

GRAY-SEPARK YARN—Your order, if placed with us, will be executed with a yarn of unvarying high quality, the worth of which will show on your production records.

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The Yarn Market

Philadelphia, Pa.—The yarn markets were rather quiet last week, and no large amount of business was put through. A good many inquiries without naming quantities were received in the markets, these having come from yarn users of all classes. The bulk of these indicated but little desire to buy but were placed principally with the idea of feeling out the market. Small orders for filling in purposes were received from both knitters and weavers during the week, but no really substantial orders were placed.

It is thought that knitters will

It is thought that knitters will again be in the market within the next several weeks. Most of them are taking inventory now and have practically completed their lines for the spring of next year and expect to get into production by the end of next month. It is believed that most of them have but small stocks on hand and will need supplies soon. They are apparently intent on keeping out of the market as long as possible and many of them are confident of seeing lower yarn prices, although spinners can see little basis for this view.

The weaving trades are buying but 30s little yarn now, most of their orders being for small lots for filling in 10s purposes. They contend that they 14s cannot sell their product at prices 16s based on present yarn prices and 20s that if they are to continue to operate, they will have to secure yarn at 26s lower figures.

The situation with the spinners 30s to shows little change over the last few weeks. They still find themselves facing higher production costs due to advancing cotton, and at the same time unable to find yarn buyers who will pay prices based on today's 2-ply costs. However, mills are more hopeful over the situation than they were a few weeks ago, and feel that a continuance of higher cotton will less result in a new buying movement 22s within the next few weeks.

Prices still show much irregularity. They are quoted here as follows:

IUWS.	THE REAL PROPERTY.	775 135
Southern Two-Ply Chain		
108	351/	0
12s to 14s	361/	@371
2-ply 16s	39	0
2-ply 20s	40	@
2-ply 24s	41	@
2-ply 26s	42	Q
2-ply 30s	45	@46
2-ply 40s	59	@61
2-ply 50s	76	@
Southern Two-Ply	Skeins.	
5s to 10s	34	@
10s to 12s	35	@36

Tinged Insulating Yarns. 3, 4 and 5-ply— Southern Single Skeins. to 8s____ Southern Frame Cones double carded__ tying in _____ Southern Combed Peeler Skein Combed Peeler Cones Eastern Carded Cones

Paulson, Linkroum & Co., Inc. 52 Leonard Street, NEW YORK CITY, U. S. A.

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Providence

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COTTON YARNS

OF EVERY DESCRIPTION FOR

WEAVING AND KNITTING

We Specialize In Cotton Yarn For Export

Cotton Goods

York.—The cotton port, followed by declines later in 12c. tainty among mills and merchants 9.50, 12½c; 40-inch, 76x72s, 9.00 that many cotton goods prices were 12¾c; 40-inch, 96x92s, 7.50, 16½c; withdrawn to await more settled 40-inch, 96x100s, 7.00, 17½c. conditions. Some handlers of sheetto meet the new cotton prices.

The general market situation of to impress upon selling agents the necessity of higher prices for cottermined resistance to higher prices on a highly competitive line. from wholesale and retail trades.

light and was not fully resumed be- when agents are asked to name fore the week ended. Print cloths prices for any delivery beyond those and sheetings were advanced and already granted. The advances moderate sales were made at the check business momentarily at least, new prices. Some lines of fine dress and it remains to be seen how the ginghams have been opened, but trade will react when it finds agents not be opened before next month, merchandise. In both jobbing and retail hands, The week making business at a prices less than that of replacement.

Some gray goods hauses reported a better demand for cloth as the week closed and more frequent sales. Inquiries for sheetings and print cloths were of a more satisfactory character.

Sales of small lots of spot and July deliveries in print cloths were reported at the following prices: 7%c for 60x48s, 8%c for 64x60s, 9% c for 68x72s, 6c for 8.20s, 6%c for 7.15s and 7½c for 56x44s. Slightly lower quotations were heard in some places, but trading was done at these figures.

Business was offered on sheetings at higher price levels. For 3-yard goods it was stated that the best possible was 11% c net, and if that price could be worked through with some selected mills it was said that million yard lots might be traded in. On 4-yard 56x60s there is a wide range of prices heard of in sales recently made, but 10% c net is the best that some large houses would consider, and this was not possible everywhere. For 6.15-yard goods 7c was paid. Sales of 4.70s were reported at 9%c, with some houses still willing to sell small lots at 9c.

Further sales of voiles were made markets were again unsettled last during the day and at least 20,000 week by the fluctuations of raw cot-pieces of slack twist goods were ton. The sharp rise following the traded in. The prices for a special publication of the government re- construction was said to be under Other sales recently made were the week created so much uncer- as follows: Lawns-40-inch. 72x68s,

Withdrawal of prices was announings stated that prices would have ced on leading lines of ginghams be-to be advanced half a cent of yard cause of being sold ahead of July and August, and unwillingness of manufacturers to go into September and the last few weeks has showed but October on the low price level of little change. Mills are still trying 18c for 2.20 white back goods. An advance of 1/2c was announced for any irregular goods or mill runovers, tons, while sellers are faced with de- thus showing the upward trend even

Other colored cottons are being Trading over the holiday was advanced from , 4c to 4c a yard coarser lines of dress ginghams will forced to get more money for the

The week was quiet in the Fall very attractive prices are being River print cloth market, with buy-made on goods on hand and this is ers slow to trade and the mills equally slow to sell in the face of the strong advance in cotton. There has been some demand for 36-inch low count style and a moderate inquiry for wider styles for this month's or next month's delivery. Prices generally have been about 1/8 c per yard higher than those of last week.

> The week's sales are estimated at about 120,000 pieces. Sateens have been in fair demand, particularly at 371/2-inch and 39-inch styles, and there has been a good demand in certain bag goods. The government cotton report and the holidays, howcombined to make trading generally uncertain.

rines were quoted as follow:	3.
Print cloths, 28-in., 64x64s	71/8
Print cloths, 27-in., 64x60s	6%
Gray goods, 38½-in., 64x64s	91/4
Gray goods, 39-in., 68x72s	9%
Gray goods, 38-in., 80x80s	121/2
Brown sheetings, 3-yard	121/4
Brown sheeting, 4-yard	111/4
Brown sheetings, So. Stnd	131/2
Tickings, 8-ounce	221/2
Denims, 2.20	
Staple ginghams	16%
Dress ginghams 20@	0224
Standard prints	101/4
Kid finished cambries81/4	



The Standard of Excellence for Electrical Installations IN TEXTILE MILLS AND VILLAGES

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UNIVERSAL WINDING COMPANY - BOSTON



Winding machines for single and ply yarns, cotton, woolen, worsted and silk. Write for circular describing the NEW WIND DOUBLER, also the No. 80 for winding SUPERCONES.

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OUR SPINNING RINGS-SINGLE OR PLANGE

Start Easiest, Run Smoothest, Wear Longest!

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Standard Size of the South

Mildew, bleach and dye troubles are unknown to mills using Sizol

THE SEYDEL CHEMICAL COMPANY

NEW YORK CITY, N. Y.

Jersey City, N. J.

Nitro, W. Va.

Sixings

Softeners

Finishings

S. C. Thomas and C. C. Clark, Spartanburg, S. C.



The humid atmosphere in textile mills causes employees to consume large quantities of water. These employees require cool water supplied in a sanitary manner - the "old tin cup" won't do.

A PURO Cooler with its Sanitary Fountain is the logical dispenser of Pure Cool Drinking water.

We are holding a copy of catalog for you-may we send it?

Made only by the

PURO SANITARY DRINKING FOUNTAIN CO.,

Haydenville, Mass.

Jacques Wolf & Company

PASSAIC, N. J.

Finishing and Sizing Preparations for Cotton

BLEACHING OIL

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ALIZARINE ASSISTANTS

HYDROSULPHITE

MONOPOLE OIL

For Stripping and Dis-charge Printing

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To soften Sulphur and Developed Black

SCROOPING COMPOUND

For Silk and Cotton Hosiery



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AMOS M. BOWEN, Treasurer

Wm. P. VAUGHAN, Southern Representative GREENVILLE, S. C.

U. S. Ring Travelers are uniformly tempered which insures even-running spinning. They are also correct as to weight and circles. Quality guaranteed.

DRAKE CORPORATION

"Warp Dressing Service Improves Weaving"

NORFOLK - - VIRGINIA

Want Department

Tractors.-We are offering a limited number of Cletrac Model "Tank Type" tractors at reduced prices. These tractors are absolutely new and have not been used. Speer & Watkins, Anderson, S. C.

Want position as overseer of experience spinning; 20 years' overseer and second hand on hosiery yarns; capable of running any size job. Can give best of reference. Overseer, care Southern Textile Bulletin.

Wanted. - Position as clothroom overseer. 25 years experience, 15 years as overseer in large mill. Good reference furnished. Age 41; married. Cloth, Care Southern Textile Bulletin, Charlotte, N. C.

Postion Wanted.

Position as manager or superintendent of yarn or weave mill. 25 years experience in all departments of cotton mill. Best of reffrom past employers. erence Cotton Mill, Care Textile Bulletin, Charlotte, N. C.

Gum Tragasol Agglutinates

the fibres of the yarn-cotton, woolen or worsted whichever it may be-and prevents waste of good materials by eliminating flyings.

Gum Tragasol is Cheaper

than either wool or cotton, therefore, its use is a distinct economy.

> JOHN P. MARSTON COMPANY 247 Atlantic Avenue, Boston

Fire Without Having A Cleaning Period On



THOMAS GRATE BAR COMPANY

REMOVOIL

Why not eliminate all of your oil spots that show up in your cloth room. Removoil is doing it in a large number of mills. Try a tengallon can and be convinced.

MASURY-YOUNG CO.

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Sample Card and Lowest Quotations on Request

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For Sizing, Finishing and Dyeing

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Guaranteed Quality-Demonstrations Made

EMPLOYMENT BUREAU

The fee for joining our employment bureau for three months is \$2.00 which will also cover the cost of carrying a small advertisement for one month.

If the applicant is a subscriber to the Southern Textile Bulletin and his subscription is paid up to the date of his joining the employment bureau the above fee is only \$1.00.

During the three months' membership we send the applicant notices of all vacancies in the position which he desires.

We do not guarantee to place every man who joins our employment bureau, but we do give them the best service of any employment bureau connected with the Southern Textile Industry.

WANT position as superintendent of weave mill, or would take place as carder and spinner in large mill. With present company five years, last three as superintendent. Ten years as overseer carding and spinning. Address No. 3452.

WANT position as superintendent. Now employed as overseer with one of the largest mills in the South. Have been with same company for six years. By experience and training am qualified to handle superintendent's position. Can give best of references. Address No. 3493.

WANT position as carder or spinner or both. Now employed as overseer, but wish better place an dean come on short notice. Excellent references as to experience, character and ability. Address No. 3494.

WANT position as master mechanic. Now employed. Long experience as master mechanic and engineer in good mills. Can handle either steam or electric drive. Good machine shop and repair man. Address No. 3495.

WANT position as overseer of carding. Competent, reliable man whose experi-ence and training is reflected in abil-ity to get results. Now employed. Good references. Address No. 3496.

WANT position as overseer of weaving.
Experienced on both plain and fancy goods and all makes of looms used in South. Steady worker, good habits, good manager of help. Address No. 3497.

VANT position as master mechanic. Have had nine years experience as master mechanic, 20 years with steam and electric drive and mill machine work. Good references as to character and ability. Address No. 3497. WANT

WANT position as overseer of spinning, or would take carding. Long experience in both departments and can give sat-isfactory references. Address No. 3498.

WANT position as overseer of cloth room. Have had over 30 years experience in some of the best mills in the South, and have handled practically every kind of goods made in Southern mills. Wish to correspond with mill needing thoroughly reliable man who can handle cloth room in efficient manner. References. Address No. 3500.

WANT position as master mechanic. Experienced, reliable man now employed, but wish a larger place. References to show long record of satisfactory service with a number of first class mills. Address No. 3501.

WANT position as engineer and machin-ist. Experienced on both electric and steam drive and am competent to han-dle machine shop and general repair work. Good references. Address No. 3502.

ANT position as superintendent of large yarn or cloth mill or manager of smaller mill. High class, efficient man with long experience as superintendent and manager and can get results. Excellent references. Address No. 3503.

WANT position as overseer of carding or would take place as second hand in large room. Practical, experienced man of character and ability, good manager of help. Fine references. Address No. 3504.

WANT position as superintendent, or carder and spinner. Many years emperi-ence in all these positions in some of the best mills in the South. Excellent references. Address No. 3505.

WANT position as overseer of carding in small or medium sized mill. or second hand in large mill. Age 26; married: I. C. S. graduate: good references as to character and ability. Address No. 3506.

WANT position as overseer of weaving Now employed in large mill and giving

satisfaction, but have good reasons for wishing to change. Experience includes work on practically all goods made in the South. Good references. Address No. 3507.

WANT position as overseer of carding or spinning or both, or superintendent. Now employed as night spinning in large mill and giving entire satisfaction, but wish day work. References from past and present employers. Address No. 3509.

WANT position as master mechanic an engineer. Have had 12 years experience in steam and electric driven plant an can handle either in competent man ner. Good references. Address N

WANT position as overseer of weaving in mill on plain or fancy goods. Now employed, but can change on short notice. Experience and training cover a long period of years in a number of good mills. Good references. Address No. 3511.

WANT position as overseer of weaving. Practical man of long experience who is fitted to handle your weave room on efficient and economical basis. Good references. Address No. 3512.

WANT position as mill bookkeeper or pay roll clerk, general office work or typist; 10 years' experience. Best references. No. 3513.

WANT Position as general office man in mill. Two years as manager, doing buying and selling. Would accept par roll work if advancement is offered Married. Reference. Address No. 3514.

WANT position as master mechanic in medium-sized electric driven mill or power house operator, or place in large shop where chances are good for pho-motion. Married, settled, good worker. Address No. 3515.

WANT position as carder, spinner or carding and spinning. Long experience in number of good mills. Good record. Best of references. Address No. 3517.

WANT position as superintendent. Long record of satisfactory service. Now em-ployed but wish larger place. Excel-lent references. Address No. 3518.

WANT position as overseer spinning; 10 years' experience; 35 years old. Now employed, but want better paying job. Fine references. Address No. 3519.

WANT position as cloth room overseer or second hand in large room. Long ex-perience on white goods. Strictly so-ber. Now employed at one of the best mills in South. References. Address No. 3520.

YOUNG LADY wants postion as steno-grapher in mill work. Long experience in mill office; competent, accurate and reliable. Address No. 3521.

WANT position as overseer weaving. Experience and training qualifies me to handle job in first class manner. Excellent references. Address No. 3522.

WANT position as overseer carding. Experienced on various classes of work and have excellent record. Would like interview with mill needing high-class man. Address No. 3523.

WANT position as overseer of carding or overseer carding and spinning, Thoroughly familiar with both carding and spinning and can get good results. Address No. 3524.

WANT position as overseer weaving in medium sized mill, or second hand in in large room. Prefer plain weaving job. Sober, hard worker and good man-ager of help. Address No. 3525.

WANT position as overseer carding or would take spinning; 16 years experience as overseer, Prefer carding job. Am married, settled and references show a long record of excellent service. Address No. 3527.

WANT position as overseer spinning. Experienced, practical man who has been overseer over long period of years. Can get quality production at low cost. References. Address No. 3429.

WANT position as overseer spinning, spooling and warping, or would take large spinning room; 18 years' experience; first class man in every respect. Address No. 3526.

WANT position as overseer weaving. Have handled large variety of goods and can produce quantity and quality. Best references. Address No. 3626.

WANT position as superintendent of yarn or weave mill. Now employed as superintendent of well known yarn mill, but have good reasons for change. Excelent references. Address No. 3530.

WANT position as overseer large card room, or spinning hoom, or both. Can give good references showing long prac-tical experience and excellent charac-ter. Address No. 3532.

WANT position as finisher. My experience in finishing plants enables me to handle your work in thoroughly competent manner. References gladly furnished. Address No. 3533.

WANT position as overseer of weaving.

Long experience in number of large
weave mill handling many different
cloths. Now employed. Address No.
3534.

WANT position as overseer spinning, winding or finishing. Now employed but wish larger place. Experienced, reliable man of good habits. Best of references. Address No. 3535.

WANT position as master mechanic. Ex-perienced in both steam and electric work. Best of references. Address No. 3536.

WANT position as superintendent, or would take place as carder or spinning. Can furnish good references from num-ber of mills showing my long record of satisfactory service. Now employed. Address No. 3537.

WANT position as superintendent of yarn mill, or carder and spinner. Practical man whose knowledge of carding and spinning is such as to produce excellent results. References. Address No. 3538.

WANT position as superintendent. Excellent reason for changing. Would like to submit my references to mill needing high class man. Address No. 3539.

WANT position as superintendent. Now have superintendent's place in medium sized plant, but wish larger job. References as to character and ability. Address No. 3540.

WANT position as master mechanic. employed in large mill shop and have ways given satisfaction over long riod of years. References to show cacter, qualifications and training. dress No. 3541.

WANT position as overseer weaving. Now employed as weaver in good mill, but wish to locate in Carolinas or Georgia. High class man who can produce results. Address No. 3542.

WANT position as assistant superintendent or weaver. Now getting \$3,000 salary, but will take place at \$150 a month in more healthy location. Experienced in large mill; both white and colored goods. Married. Good references. Address No. 3543.

WANT position as cloth room overseer second hand in large room. Now em-ployed as overseer in denim plant. Ex-cellent references. Address No. 3544.

COTTON CLASSER and stapler desires position, preferably with mill. Exper-ienced and can furnish references. Ad-dress No. 3545.

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WANT position as carder. Age 40; 18 years' experience in number of good mills. Gilt edge references. Address No. 3548.

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WANT position as overseer of cloth, High class man of good habits who thorough-ly understands the efficient handling of cloth room. Address No. 3551.

WANT position as carder or spinner or both. Age 43; 18 years' as overseer; good record as manager of help. Now employed as carder, but wishes larger place. References. Address No. 3553.

WANT position as overseer weaving. Settled man of good habits, long experience on both plain and fancy weaves. References. Address No. 3553.

WANT position as machinist. Have had long experience in mill shops and am sober and reliable mechanic. Excellent references. Address No. 3521.

WANT position as overseer large card Now

WANT position as cloth room overseer. Competent, reliable man of long experience. Can furnish excellent references. Address No. 3556.

WANT position as superintendent, manager or office manager in large mill. Can manage plant on efficient basis and would like opportunity to show qualifications to mill needing A1 man. Address No. 3557.

WANT position as carder or spinner or superintendent. Thoroughly qualified in both departments and have had long experience as overseer in a number of

WANT position as superintendent or weaver. Now employed but have good reasons for changing. Best of referen-large mills. Address No. 3558.

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WANT position as superintendent or weaver. Weaving experience covers period of over 20 years on wide variety of fabrics. Sober, reliable and good manager of help. Good references. Ad-dress No. 3563.

WANT position as carder. Long experience and have special knowledge of combed work. Excellent references. Address No. 3566.

WANT position as overseer weaving. Can handle plain or fancy work. Draper job preferred. Would accept place as designer in large mill. Thoroughly capable weaver in every respect. References. Address No. 3567.

WANT position as overseer carding or spinning, or both. Have some of best mills in South and always goten good results. Good references. Address No. 3565.

WANT position as overseer carding. Practical man who can handle carding in efficient manner. Long experience. Specially qualified for combed work. Address No. 3568.

WANT position as superintendent. By experience and training am especially fitted to handle combed yarn mill. Will gladly submit references to mill desiring high class, experienced superintendent. Address No. 3569.

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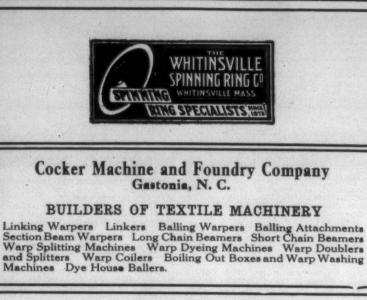
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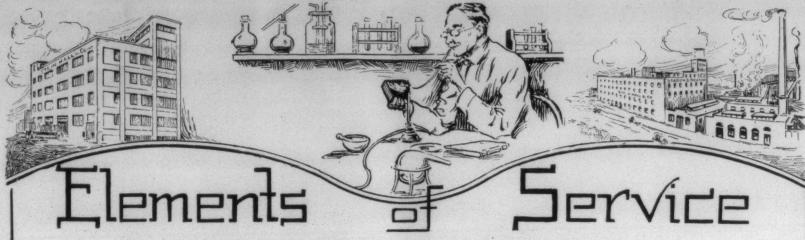
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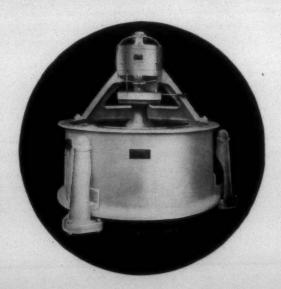


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